University of Cincinnati

Catalogue
1920-1921

THE UNIVERSITY

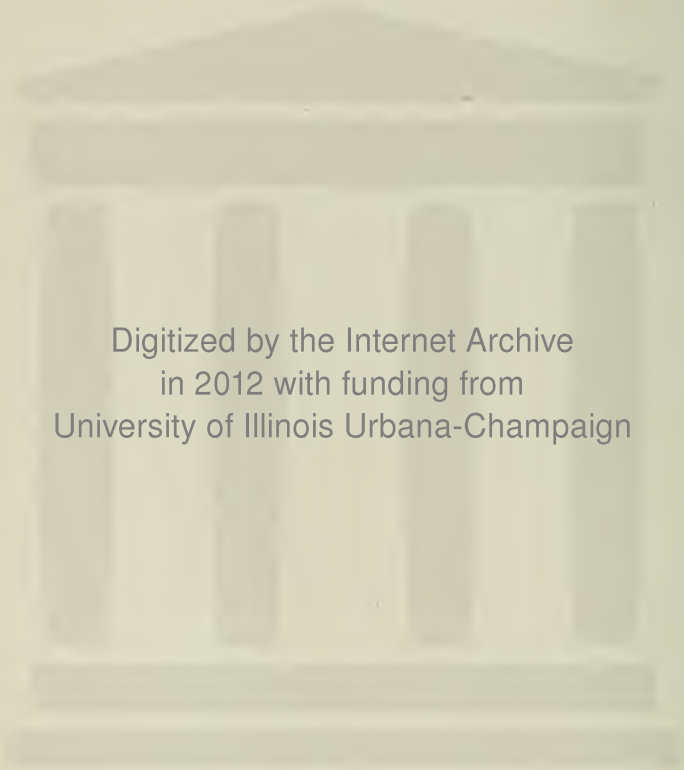
OF ILLINOIS

LIBRARY

C

C49u H

1920-21



Digitized by the Internet Archive
in 2012 with funding from
University of Illinois Urbana-Champaign

http://archive.org/details/annualcatalogue192021univ

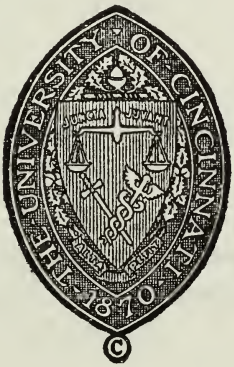
UNIVERSITY OF CINCINNATI RECORD

SERIES 1 JULY, 1921 VOL. XVII, NO 3

ANNUAL CATALOGUE

1920-1921

UNIVERSITY OF ILLINOIS LIBRARY
SEP 21 1922



PUBLISHED BY THE UNIVERSITY OF CINCINNATI
CINCINNATI, OHIO

COLLEGES OF THE UNIVERSITY

GRADUATE SCHOOL

McMICKEN COLLEGE OF LIBERAL ARTS

COLLEGE FOR TEACHERS

COLLEGE OF ENGINEERING AND COMMERCE

COLLEGE OF MEDICINE

School of Nursing and Health

COLLEGE OF LAW (Cincinnati Law School)

For Announcements of the various departments, except the Colleges of Medicine and of Law, and for further information, address:

The Director of Admissions

University of Cincinnati

Cincinnati, Ohio

For Announcement of the College of Medicine, address:

The Dean of the College of Medicine

Eden and Bethesda Aves.

Cincinnati, Ohio

For Announcement of the College of Law, address:

The Secretary of the College of Law

Clifton Ave., West of Vine St.

Cincinnati, Ohio

C
C 49 ni H.
1920/21

TABLE OF CONTENTS

CALENDAR 7
BOARD OF DIRECTORS 10
ADMINISTRATIVE OFFICERS 11
SENATE 12
COMMITTEES:
On Correlation 13
General 13
OFFICERS OF INSTRUCTION AND ADMINISTRATION:
Liberal Arts, Engineering and Commerce, Teachers, Graduate School 14-26
Medicine 27-35
Nursing and Health 36-40
Law 41
Observatory 42
Library 42
Museum 42
Municipal Reference Bureau 42
ADDRESSES AND LECTURES, 1919-1920; 1920-1921 43-48
GENERAL STATEMENT:
Foundation and Growth 49
Buildings and Site 51
Equipment:
Carson Field 52
Museums 52
Library 53
Gifts, 1920-1921 54
Endowment Fund Association 57
Publications 57
Student Organizations 58
Alumnal Associations 59
FEES AND EXPENSES:
Tuition Fees 61
Laboratory Fees 64
Graduation Fees 65
Miscellaneous Fees 66
Deposits 68
Expenses 69

GRADUATE SCHOOL

FACULTY AND INSTRUCTORS 70
ADMISSION 72

503484

Fellowships, Scholarships, and Prizes 72
Requirements for a.m. Degree 73
Requirements for ph.d. Degree 74
Advanced Standing 75
Instruction 75
Special Arrangement with Lane Seminary and Hebrew Union College 76
Courses of Instruction, 1920-1921 77-92

McMICKEN COLLEGE OF LIBERAL ARTS

Schedule of Entrance Examinations 93
Faculty and Instructors 95
Admission 98
Scholarships and Prizes 103
Registration 106
General Regulations 108
Regular Program 110
Special Arrangements with Other Colleges 115
Maximum Hours a Week 116
Pre-Professional Programs 117
Combined Programs 118
Courses of Instruction, Summer, 1920 121-147
Courses of Instruction, 1920-1921 121-148
Extension Courses, 1920-1921 148

COLLEGE FOR TEACHERS

Joint Committee, Faculty and Instructors 149
Programs Offered 152-157
Conferences 158
Appointment Committee 158
Courses of Instruction, 1920-1921 159-172

COLLEGE OF ENGINEERING AND COMMERCE

Faculty and Instructors 173
Admission 175
Commercial Engineering and Chemical Engineering Courses for Women 177
Fellowships, Scholarships, and Prizes 177
General Regulations 178
Degrees 178
Plan of Instruction in Cooperative Course 179
Wages of Cooperative Students 179
Courses Offered 180
Summer Term 180
Summarized Information 180

Courses of Instruction, 1920-1921:
First Two Years 182-185
Coordination 185-188
Engineering 188-208
Commerce 209-217
Special Engineering 217
General Courses 217-222

Evening Courses in Commerce

Purpose 223
Admission 223
Courses of Instruction, 1920-1921 225-229

COLLEGE OF MEDICINE

Historical Statement 230
General Plan of Education 230
Material Equipment 231
Medical Libraries 234
Admission 234
Rules 236
Advanced Standing 239
Seven-Year Combined Liberal Arts and Medical Program 241
Six-Year Combined Liberal Arts and Medical Program 241
Ohio State Medical Board Examinations 243
Undergraduate Degrees 244
Graduate Degrees 244
Honors 245
Summer Courses, 1920 246
Courses of Instruction, 1920-1921 248-264

School of Nursing and Health

General Statement 265
Admission 266
Scholarships 269
Registration 269
Nurse Registration 270
Graduation 270
Regular Program 271
Combined Liberal Arts and Nursing Program 272
Special Public Health Nursing Program 273
Courses of Instruction, 1920-1921 274-279

COLLEGE OF LAW

Requirements for Admission 280
Advanced Standing 280

Scholarships and Prizes....280
Examinations....281
Convocation....281
Regular Program....282
Pre-Legal Program....282
Combined Liberal Arts and Legal Program....283
Courses of Instruction, 1920-1921....284
Registration by Correspondence....285

FELLOWSHIPS, SCHOLARSHIPS, LIST OF STUDENTS

Fellowships, Scholarships, and Prizes, awarded June, 1920 and 1921....286-296
Holders of Fellowships since 1900....296
Degrees Conferred in June, 1920....299-303
Summary of Graduates, June, 1920....304
Degrees Conferred in June, 1921....305-310
Summary of Graduates, June, 1921....310
Registration of Students, 1920-1921:
Graduate School....311-317
McMicken College of Liberal Arts....317-333
Evening Academic Courses....333-345
College for Teachers....345-352
College of Engineering and Commerce....352-369
Evening Commerce Courses....369-376
College of Medicine....376-386
School of Nursing and Health....386-391
College of Law....391-394
Registration of Students at End of Academic Year, 1919-1920..395, 396
Registration of Students at End of Academic Year, 1920-1921..397, 398
Student Attendance, 1920-1921....399
General Index....400

CALENDAR

SESSION 1920-1921

1920

May 31-June 14	Registration days for summer term of School of Nursing and Health
June 7-Aug. 14	Summer pre-medical courses
June 14-19	Entrance examinations
June 14-Aug. 7	Summer medical courses
June 21, Monday	Registration day for summer extension courses
June 21-July 31	Summer extension courses
Sept. 13-18	Entrance examinations for all departments except College of Law
Sept. 20, Monday	Registration day for cooperative students, Sec. I, and regular engineers
Sept. 22, Wednesday	Meeting of Student Advisory Committee
Sept. 23, Thursday	Entrance examinations begin for College of Law
Sept. 23, Thursday	Registration days for first semester of College of Liberal Arts, College for Teachers, evening academic courses, and evening commerce students
Sept. 24, Friday	
Sept. 25, Saturday	
Sept. 25, Saturday	Registration day for special students
Sept. 27, Monday	Registration day for College of Law First semester begins for all departments except Colleges of Medicine and Law Summer term ends for School of Nursing and Health
Sept. 27-Oct. 2	Registration days for Graduate School
Sept. 28, Tuesday	First semester begins for College of Law
Oct. 1-2	Registration days for College of Medicine Examinations in College of Medicine for removal of conditions
Oct. 4-15	Registration days for fall term of School of Nursing and Health
Oct. 4-16	Registration days for winter extension courses
Oct. 4, Monday	Winter extension courses begin Registration day for first semester for cooperative students, Sec. II
Oct. 5, Tuesday	First semester begins for College of Medicine
Oct. 9, Saturday	Registration for first semester closes at 12:30 p.m.
Oct. 30, Saturday	Mid-term for cooperative students, Sec. I
Nov. 13, Saturday	Mid-term for cooperative students, Sec. II
Nov. 20, Saturday	Mid-term reports due in Registrar's office
Nov. 25-27, inc.	Thanksgiving recess

CHRISTMAS RECESS

MONDAY, DECEMBER 20—SATURDAY, JANUARY 1, INCLUSIVE

1921

JAN.	3, MONDAY	Classes resumed
JAN.	17-22	Entrance examinations
JAN.	22, SATURDAY	First semester ends for cooperative students, Sec. I
JAN.	31-FEB. 10	First semester examinations
JAN.	31, MONDAY	Second semester begins for College of Law
FEB.	5, SATURDAY	Registration day for second semester of School of Nursing and Health First semester ends for cooperative students, Sec. II
FEB.	7, MONDAY	Registration day for second semester for regular engineers and cooperative students, Sec. I
FEB.	12, SATURDAY	First semester ends for College of Medicine. No classes
FEB.	14, MONDAY	Registration day for second semester for College of Liberal Arts, College for Teachers, evening academic courses, evening commerce students and College of Medicine
FEB.	14-16	Registration days for second semester of Graduate School
FEB.	15, TUESDAY	Second semester begins
FEB.	21, MONDAY	Registration day for second semester for cooperative students, Sec. II
FEB.	22, TUESDAY	Washington's Birthday: a holiday
FEB.	26, SATURDAY	Registration for second semester closes at 12:30 p.m.
MAR.	19, SATURDAY	Mid-term for cooperative students, Sec. I
MAR.	24-26, INC.	Spring recess for College of Law

EASTER RECESS

COLLEGE OF MEDICINE, MARCH 21-26, INCLUSIVE

COLLEGE OF LIBERAL ARTS
COLLEGE FOR TEACHERS
GRADUATE SCHOOL
} MARCH 24-26, INCLUSIVE

April 2, Saturday	Mid-term for cooperative students, Sec. II
April 9, Saturday	Mid-term reports due in Registrar's office
May 6, Friday	Winter extension courses end
May 13, Friday	Oratorical contest for Jones Prizes
May 14, Saturday	Second semester ends for cooperative students, Sec. I
May 18, Wednesday	Final examinations begin for College of Law
May 28, Saturday	Second semester ends for cooperative students, Sec. II
May 30, Monday	Memorial Day: a holiday
June 6-20	Registration for summer term of School of Nursing and Health
June 6, Monday	Second semester examinations begin
May 31-July 30	Summer school for cooperative students, Sec. I
June 13-Aug. 13	Summer school for cooperative students, Sec. II
June 17, Friday	Second semester ends
June 18, Saturday	University Commencement Day

BOARD OF DIRECTORS

Appointed by the Mayor of Cincinnati

Alfred Mack	January,	1922
Erwin O. Straehley, M.D.	"	1923
Sanford Brown	"	1924
*Edward H. Ernst	"	1925
Otto J. Renner	"	1926
Rufus B. Smith	"	1927
Robert W. Hilton	"	1928
Emil Pollak	"	1929
Arthur R. Morgan	"	1930

OFFICERS

For the Fiscal Year 1921

Rufus B. Smith	Chairman
Daniel Laurence	Clerk
Christie Wilke	Assistant Clerk

COMMITTEES

Committee on Finance: Messrs. Pollak, Renner, Morgan

Committee on Real Estate: Messrs. Brown, Morgan, Ernst

Committee on University Buildings and Grounds: Messrs. Morgan, Pollak, Ernst

Committee on Academic Affairs and Observatory: Messrs. Straehley, Hilton, Mack

Committee on Law and College of Law: Messrs. Mack, Brown, Renner

Committee on College of Medicine: Messrs. Renner, Mack, Smith

Committee on College of Engineering and Commerce: Messrs. Hilton, Brown, Straehley

*Mr. Ernst succeeded Dr. David I. Wolfstein, who resigned January 4, 1921.

ADMINISTRATIVE OFFICERS

FREDERICK CHARLES HICKS, PH.D. President of the University
Office, 10 McMicken Hall

LOUIS T. MORE, PH.D. Dean of the Graduate School
Office, 20 Cunningham Hall

FRANK W. CHANDLER, PH.D. .. Dean of the McMicken College of Liberal Arts
Office, 8 McMicken Hall

WILLIAM P. BURRIS, A.M., L.H.D. Dean of the College for Teachers
Office, 18 McMicken Hall

HERMAN SCHNEIDER, SC.D. Dean of the College of Engineering and Commerce
Office, College of Engineering Bldg.

*JOHN CHADWICK OLIVER, M.D., F.A.C.S. .. Acting Dean of the College of Medicine
Office, Medical College Building, Eden Ave.

†HENRY PAGE, A.M., M.D., DR. P.H. Dean of the College of Medicine
Office, Medical College Building, Eden Ave.

ALFRED B. BENEDICT, A.B., LL.D. Dean of the College of Law
Office, College of Law, Clifton Ave.

‡LOUEEN PATTEE, A.B. Dean of Women
Office, Woman's Building

ROBERT C. PUGH, LL.D. Assistant Dean of the College of Law
Office, College of Law, Clifton Ave.

GEORGE W. BURNS, LL.B. .. Assistant Dean of the College of Engineering and Commerce
Office, College of Engineering Building

ERNEST LYNN TALBERT, PH.D. Director of Admissions and Supervisor of the Evening Academic Courses
Office, 2 McMicken Hall

ALFRED LAWRENCE HALL-QUEST, A.M. Director of School Affiliation
Office, 17 McMicken Hall

JERMAIN G. PORTER, PH.D. Director of the Observatory
Office, The Observatory, Mt. Lookout

CHARLES ALBERT READ, A.B. Librarian of the University Library
Office, Van Wormer Library Building

WHITELAW REID MORRISON, A.M., M.D. Director of the Gymnasium
Office, Gymnasium Building

SELDEN GALE LOWRIE, PH.D. .. Director of the Municipal Reference Bureau
Office, 10 Hanna Hall

LELIA GARVIN HARTMAN, B.L. Registrar
Office, 7 McMicken Hall

DANIEL LAURENCE, B.S. .. Secretary and Business Manager of the University
Office, 4 McMicken Hall

FRANK B. CROSS, M.D. Secretary of the College of Medicine
Office, Medical College Building, Eden Ave.

*To May 9, 1921
†From May 9, 1921
‡Deceased

UNIVERSITY SENATE

FREDERICK CHARLES HICKS, PH.D. President of the University

LOUIS T. MORE, PH.D. Dean of the Graduate School

FRANK W. CHANDLER, PH.D. . . Dean of the McMicken College of Liberal Arts

WILLIAM P. BURRIS, A.M., L.H.D. Dean of the College for Teachers

HERMAN SCHNEIDER, SC.D. Dean of the College of Engineering and Commerce

*JOHN C. OLIVER, M.D., F.A.C.S. . . Acting Dean of the College of Medicine

†HENRY PAGE, A.M., M.D., DR. P.H. Dean of the College of Medicine

LAURA R. LOGAN, B.S., R.N. Director of the School of Nursing and Health

ALFRED B. BENEDICT, A.B., LL.D. Dean of the College of Law

‡LOUEEN PATTEE, A.B. Dean of Women

JERMAIN G. PORTER, PH.D. Director of the Observatory

WILLIAM B. WHERRY, M.D. Representative of the Faculty of the Graduate School

NEVIN M. FENNEMAN, PH.D. Representative of the Faculty of the McMicken College of Liberal Arts

ALFRED L. HALL-QUEST, A.M. Representative of the Faculty of the College for Teachers

G. M. BRAUNE, C.E. Representative of the Faculty of the College of Engineering and Commerce

B. K. RACHFORD, M.D. Representative of the Faculty of the College of Medicine

ROBERT C. PUGH, LL.D. Representative of the Faculty of the College of Law

*To May 9, 1921
†From May 9, 1921
‡Deceased

COMMITTEES

COMMITTEES ON CORRELATION

College of Liberal Arts and College for Teachers:

College of Liberal Arts: Professors More, Tawney
College for Teachers: Professors Burris, Hall-Quest

College of Liberal Arts, College of Medicine, and School of Nursing and Health:

College of Liberal Arts: Professors Wieman, Fry
College of Medicine: Drs. Oliver, Fischer
School of Nursing and Health: Miss Logan

College of Liberal Arts and College of Law:

College of Liberal Arts: Professors Lowrie, Van Wye
College of Law: Dean Pugh, Professor Arnold

College of Liberal Arts and Evening Academic Courses: Professors Talbert, Chandler, Lowrie, Lotspeich, Gardner, Farnau

GENERAL COMMITTEES

Committee on Discipline: Deans Chandler, Schneider, Burris, Oliver, Pugh, *Pattee

Committee on Library: Dean More, Professors Breese, Park, Sechrist

Committee on Museums and Collections: Professors Fenneman, Benedict, Mr. Laurence

Committee on Social Functions: Dean *Pattee, Professors Ogden, Fry, Semple, Mrs. Hartman, Registrar

Committee on Public Exercises: Professor Ogden

Board of Trustees for Student Activities: Professors Wilson, Chandler, Cross, Mr. Laurence

*Deceased

OFFICERS OF INSTRUCTION AND ADMINISTRATION

FREDERICK CHARLES HICKS, PH.D. President of the University
2425 Ingleside Pl.

COLLEGES OF LIBERAL ARTS AND ENGINEERING AND COMMERCE, COLLEGE FOR TEACHERS AND THE GRADUATE SCHOOL

FACULTY AND INSTRUCTORS

JERMAIN GILDERSLEEVE PORTER, PH.D. .. Director of the Observatory and Professor of Astronomy
3314 Avery Lane, Mt. Lookout

PHILIP VAN NESS MYERS, LL.D., L.H.D. Honorary Lecturer in History
1623 Linden Drive

HARRIS HANCOCK, PH.D., SC.D. Professor of Mathematics
2365 Auburn Ave., Mt. Auburn

JOHN MILLER BURNAM, PH.D. Professor of Latin and Romance Palaeography
3413 Whitfield Ave., Clifton

MAX POLL, PH.D. Professor of the Germanic Languages
8 The Romaine, Clifton

*MERRICK WHITCOMB, PH.D. Professor of History

LOUIS TRENCHARD MORE, PH.D. .. Professor of Physics and Dean of the Graduate School
317 Pike St.

HERMAN SCHNEIDER, SC.D. William Thoms Professor of Civil Engineering and Dean of the College of Engineering and Commerce
432 Evanswood Pl., Clifton

BURTIS BURR BREESE, PH.D. Professor of Psychology
560 Evanswood Pl., Clifton

WILLIAM PAXTON BURRIS, A.M., L.H.D. Professor of Education and Dean of the College for Teachers
24 The North Roslyn, Clifton

*STEPHEN ELMER SLOCUM, B.E., PH.D., Professor of Applied Mathematics
565 Evanswood Pl., Clifton

NEVIN M. FENNEMAN, PH.D. Professor of Geology and Geography
348 Shiloh St., Clifton

GUY ALLAN TAWNEY, PH.D. Professor of Philosophy
447 Warren Ave., Clifton

*Absent on leave, 1920-1921

FRANK WADLEIGH CHANDLER, PH.D.....Professor of English, Ropes Professor of Comparative Literature, and Dean of the College of Liberal Arts
323 Warren Ave., Clifton

PHILLIP OGDEN, PH.D.....Professor of Romance Languages
257 Senator Pl., Clifton

MARTIN H. FISCHER, M.D.....Joseph Eichberg Professor of Physiology
15 The Maplewood, Clifton

HENRY MCELDERRY KNOWER, PH.D.....Francis Brunning Professor of Anatomy
The Maplewood, Clifton

ALEXANDER MASSEY WILSON, M.E.....Professor of Electrical Engineering
37 The Roanoke, Clifton

HARRIS MILLER BENEDICT, PH.D.....Professor of Botany
5946 Belmont Ave., College Hill

SELDEN GALE LOWRIE, PH.D.....Professor of Political Science
3411 Clifton Ave., Clifton

WILLIAM BUCHANAN WHERRY, A.B., M.D...Professor of Bacteriology and Hygiene
759 E. Ridgeway Ave., Avondale

ROGER S. MORRIS, A.B., M.D.....Acting Frederick Forchheimer Professor of Medicine
3646 Washington Ave., Avondale

ALFRED LAWRENCE HALL-QUEST, A.M.....Professor of Education and Director of School Affiliation
18 The Maplewood, Clifton

GUSTAVE MAURICE BRAUNE, C.E.....Professor of Civil Engineering
248 Loraine Ave., Clifton

HARRY SHIPLEY FRY, PH.D...Professor of Chemistry and Director of the Chemistry Laboratory
4436 Ashland Ave., Norwood, O.

ALEXANDER LEWIS JENKINS, M.E...Professor of Mechanical Engineering
8 The Brookline, Clifton

HARRY LEWIS WIEMAN, PH.D.....Professor of Zoology
3300 Jefferson Ave., Clifton

EDWARD F. MALONE, A.B., M.D.....Professor of Histology
The Maplewood, Clifton

DAVID JAMES MACDONALD, A.M.....Professor of Vocational Education
234 Hosea Ave., Clifton

*ORLAND RUSSELL SWEENEY, PH.D.....Professor of Chemical Engineering

SAMUEL JAMES MCINTOSH ALLEN, PH.D...Professor of Experimental Physics
3632 Middleton Ave., Clifton

CLAUDE M. LOTSPEICH, PH.D...Professor of Comparative Philology, Department of German
416 Resor Ave., Clifton

FRANK K. SECHRIST, PH.D.....Professor of Education
361 Thrall Ave., Clifton

WHITELAW REID MORRISON, A.M., M.D.....Professor of Hygiene and Physical Education
2232 Nelson Ave.

SIDNEY H. GUTHRIE, MAJOR, C.A.C.....Professor of Military Science and Tactics
3343 Whitfield Ave., Clifton

*Absent on leave, 1920-1921

CLYDE WILLIAM PARK, A.M. . . Professor of English, College of Engineering and Commerce
2560 Eden Ave.

LOUIS BRAND, PH.D., E.E. . . Professor of Mathematics, College of Engineering and Commerce
266 Dorchester Ave.

ROBERT CLYDE GOWDY, PH.D. . . Professor of Physics, College of Engineering and Commerce
2111 Auburn Ave., Mt. Auburn

HENRY MAX GOETTSCH, PH.D. Professor of Inorganic Chemistry
3340 Bishop St.

RICHARD SISSON AUSTIN, M.D. . . Mary M. Emery Professor of Pathology
266 Senator Pl.

WILLIAM TUNSTALL SEMPLE, PH.D. Professor of Classics
315 Pike St.

REGINALD CHARLES MCGRANE, PH.D. . . Professor of History, College of Engineering and Commerce
2302 Kemper Lane

MARY ALMA SMITH, B.S. Professor of Home Economics
31 The Roanoke, Clifton

RUSSELL ALGER STEVENSON, PH.D. Professor of Accounting
3430 Lyleburn Pl.

NATHANIEL RUGGLES WHITNEY, PH.D. Professor of Finance
12 The Metamora, Clifton

HEISKELL BRYAN WHALING, PH.D. Professor of Economics
The Delmoor, Clifton

CHARLES NAPOLEON MOORE, PH.D. Associate Professor of Mathematics
501 Sandheger Pl.

CLARENCE DIMICK STEVENS, A.M. Associate Professor of English
Senator Place Apts., Clifton

HENRY G. HARTMAN, PH.D. Associate Professor of Philosophy
2343 Park Ave.

CLARENCE ORAN GARDNER, PH.D. . . Associate Professor of Political Science
224 Loraine Ave., Clifton

EARL FREDERICK FARNAU, PH.D. . . Associate Professor of Organic Chemistry
Twentieth and Scott Sts., Covington, Ky.

RALPH EDWARD OESPER, PH.D. . . Associate Professor of Analytical Chemistry
2323 Ohio Ave.

EDWARD S. SMITH, M.E., PH.D. Associate Professor of Mathematics
1 Hedgerow Lane

CLARENCE JAMES FOREMAN, M.S., A.M., PH.D. Associate Professor of Economics
2432 Clifton Ave.

JOSEPH HENRY KINDLE, A.M. Associate Professor of Mathematics
2313 Highland Ave.

BENJAMIN CARLTON VAN WYE, A.M. . . Associate Professor of Public Speaking, Department of English
3525 Biddle St., Clifton

ORVILLE TURNER WILSON, PH.D. Associate Professor of Botany
3414 Telford Ave., Clifton

BEVERLEY BOND, JR., PH.D. Associate Professor of History
3411 Clifton Ave., Clifton

EVERETT IRVING YOWELL, PH.D.....Associate Professor of Astronomy
Corbett and Griest Aves., Mt. Lookout

HENRY ROBINSON SHIPHERD, PH.D.....Assistant Professor of English
344 Howell Ave., Clifton

WALTER H. BUCHER, PH.D.....Assistant Professor of Geology
172 E. McMillan St.

OTTO CHARLES VON SCHLICHTEN, A.B.....Assistant Professor of Geology
Ohio Ave.

ERNEST LYNN TALBERT, PH.D.....Assistant Professor of Psychology, Director of Admissions, and Supervisor of the Evening Academic Courses
250 Senator Pl., Clifton

HUBERTIS MAURICE CUMMINGS, PH.D.....Assistant Professor of English
224 Loraine Ave., Clifton

EDWARD C. DAY, PH.D.....Assistant Professor of Zoology
224 Loraine Ave., Clifton

CHARLES BARTH HOFFMANN, M.E., E.E...Assistant Professor of Electrical Engineering
899 Lexington Ave., Avondale

FRANCES JENKINS, B.S.....Assistant Professor of Education
The Delmoor, Clifton

CHARLES ALBERT JOERGER, M.E.....Assistant Professor of Mechanical Engineering
3300 Monteith Ave., Hyde Park

MERTON JEROME HUBERT, A.M...Assistant Professor of Romance Languages
12 The Delmoor, Clifton

HAROLD F. JANDA, C.E.....Assistant Professor of Coordination
339 Ludlow Ave.

LEONORA NEUFFER, PH.D.....Assistant Professor of Chemistry
47 Lakewood Ave

WILLIAM A. CROWLEY, PH.D.....Assistant Professor of Philosophy
3517 Cornell Pl., Clifton

IRVING H. BROWN, PH.D.....Assistant Professor of Romance Languages
231 Dorchester Ave., Mt. Auburn

BART JENNINGS SHINE, C.E...Assistant Professor of Mechanical Engineering
3445 Lyleburn Pl., Clifton

MONTE J. HICKOK, MAJOR, C.A.C..... Assistant Professor of Military Science and Tactics
3661 Middleton Ave., Clifton

JOHN H. LINDT, MAJOR, C.A.C...Assistant Professor of Military Science and Tactics
14 The Roanoke, Clifton

ROY W. GROWER, 1ST LT., ENG...Assistant Professor of Military Science and Tactics
222 W. McMillan St.

CORA M. BOX, A.M.....Assistant Professor of Zoology
275 McGregor Ave., Mt. Auburn

ALMA SAUER DE ARMOND, B.S.....Assistant Professor of Home Economics
230 Helen St., Mt. Auburn

L. Gladys McGill, B.S. Assistant Professor of Home Economics
9 The Roanoke, Clifton

Edgar Dow Gilman, B.S., CH.E., C.E. Assistant Professor of Civil Engineering
2562 Woodburn Ave.

Leroy Alonzo Wilson, M.E., M.M.E. ... Assistant Professor of Mechanical Engineering
3202 Harvey Ave.

Sylvia Sicha, A.B. Assistant Professor of Vocational Education
9 The Roanoke, Clifton

G. Carlton Smith, B.S. in CH.E. ... Assistant Professor of Chemical Engineering
3434 Lyleburn Pl., Clifton

L. A. Flagler, A.B. Assistant Professor of Vocational Education
3606 Michigan Ave.

Arthur Stafford Hathaway, B.S. Assistant Professor of Civil Engineering
572 Terrace Ave.

Howell McLain Gano, B.S., M.E. ... Assistant Professor of Industrial Management
511 Fortune Ave.

Elliott Smith, PH.D. Assistant Professor of Astronomy
Observatory Grounds, Mt. Lookout

Earl C. Case, A.B. Assistant Professor of Geography
3402 Ormond Ave.

Selby Frame Vance, A.M., D.D., LL.D. ... Lecturer on Biblical Literature
4 The Beecher, Lane Seminary, Walnut Hills

*Loueen Pattee, A.B. ... Lecturer on the History of Art and Dean of Women

Edgar F. Van Buskirk, A.M. Lecturer of Hygiene
320 Burns Ave., Wyoming, O.

Platt Bishop Evens Mechanician and Instructor in Laboratory Arts
3455 Oxford Terrace, Clifton

Eleonore Cathrine Nippert, A.M. Instructor in German
411 Ludlow Ave., Clifton

Charles Watkins Brown, Mechanician and Instructor in Laboratory Arts
228 Piedmont Ave.

Helen A. Stanley, A.M. Instructor in English
3576 Zumstein Ave.

Marjorie Hillas, A.M. Instructor in Physical Education
The Roanoke, Clifton

Oliver Mumford Nikoloff, A.B. Instructor in Physical Education
1548 Ruth Ave.

Louis A. Passarelli, A.M. Instructor in Romance Languages
132 W. McMillan St.

Grace M. Boswell, M.D. Medical Examiner for Women
The Somerset, Avondale

Laurence B. Chenoweth, M.D. Medical Examiner for Men
266 Senator Pl., Clifton

*Deceased

E. Lucy Braun, ph.d. Instructor in Botany
2702 May St.

Edward Albert Eberhardt, a.m. Instructor in Modern Languages
2140 St. James Ave.

William Carl Osterbrock, e.e. Instructor in Electrical Engineering
3031 Marshall Ave., Clifton

Floyd Eldon Beghtel, a.m. Instructor in Botany
2604 Eden Ave.

Boyd B. Chambers, a.b. Director of Athletics
273 McCormick Pl., Mt. Auburn

*Dorothy Duke, b.s. Instructor in Physical Education
3 The Anthony, Seminary Pl., Walnut Hills

Meyer Salkover, a.m. Instructor in Mathematics
17 Juergens Ave., Clifton

Sophie W. Brunhoff, a.b. Instructor in Physical Education
215 Forest Ave., Avondale

Willard Austin Kinne, a.b. Instructor in Romance Languages
3411 Clifton Ave., Clifton

Mary Margaret Todd, b.s. Instructor in Home Economics
4920 Stewart Pl., Madisonville

Merwyn C. Rodi, a.b., b.e.e. Instructor in Electrical Engineering
1013 Chapel St.

H. Calvert Messinger, m.e. Instructor in Coordination
114 Parker St.

Raymond Chambers, a.m. Instructor in History
5 The Brookline, Clifton

Walter C. Phillips, ph.d. Instructor in English
3411 Clifton Ave., Clifton

Edgar P. Bengert, a.m. Instructor in English
2344 Ohio Ave.

Frank Rawley Byers, a.b. Instructor in English
Central Y M. C. A.

George E. Davis, a.m. Instructor in Mathematics
3416 Burch Ave., Hyde Park

Vincent H. Drufner, b.s., c.e. Instructor in Coordination
224 Lyon St.

Ralph L. Langenheim, c.e. Instructor in Civil Engineering
Baxter Ave.

Fay A. Norton, e.e. Instructor in Coordination
1749 Brewster Ave., Evanston

Henry A. Wolsdorf, m.e. Instructor in Mechanical Engineering
2329 Flora St.

William Hamilton Creighton Mechanician and Instructor in Laboratory Arts
5524 Covington Ave.

*Absent on leave, 1920-1921

LOWELL M. ALEXANDER, E.E., A.M. Instructor in Physics
3427 Middleton Ave., Clifton

GEOFFREY A. GRAY, A.M. ... Instructor in Chemistry in charge of Bureau
3537 Trimble Ave., Evanston of City Tests

PETER SCHERRER Instructor in Lecture Demonstrations and Chemical
3243 Jefferson Ave. Supply Agent

JOSEPH LAWRENCE DONNELLY, A.M. Instructor in Chemistry
291 Mt. Pleasant Ave., Fort Thomas, Ky.

ERWIN WILLIAM TSCHUDI, A.B. Instructor in Mathematics
2931 Jefferson Ave.

WALLACE W. BOONE, CH.E. Instructor in Metallurgy
2372 Park Ave.

FLORINNE M. VATTER, B.S. ... Critic Teacher in Vocational Home Economics
2564 Trade St.

MARJORIE STEWART Coordinator for Women
2918 Urwciler Ave., Westwood

C. H. LUND, CH.E. Instructor in Coordination
19 The Parkside, Clifton

WILHELMINE F. DEITEMEIER, B.S. Instructor in Home Economics
2519 Homestead Pl., Westwood

CHARLES MURDOCH DISERENS, A.M. Instructor in Psychology
3550 Evanston Ave.

ERIC D. LANE, B.S. in C.E. Instructor in Chemical Engineering
230 W. McMillan St.

NEWTON ALVIN NOBLE Instructor in Electrical Engineering
832 Blair Ave.

HAROLD FREDERIC RICHARDS, PH.D. Instructor in Physics
240 McCormick Pl., Mt. Auburn

RODNEY P. ROBINSON, PH.D. Instructor in Classical Languages
30 The Roanoke, Clifton

ANITA SCHRECK WILLIAMS, B.S. Instructor in Physical Education
1722 Hewitt Ave.

MIRIAM B. URBAN, A.M. Instructor in History
431 Forest Ave

KATHERINE B. DARNEY, A.M. Instructor in Physical Education
1 The Romaine, Clifton

GERALD BARNES, A.M. Instructor in Physical Education
224 Loraine Ave., Clifton

EDWARD JOSEPH LORENZ, A.M. Instructor in Physics
931 Thornton St., Dayton, Ky.

*WALTER FEID HAEHNLE, A.B. Instructor in English
830 York St.

ALEXANDER PATERSON, C.E. Instructor in Civil Engineering
352 Shiloh Ave.

*Resigned

HOWARD L. BEVIS, A.B., LL.B., S.J.D. Instructor in Economics
3924 Floral Ave.

ROBERT EDWARD HUNDLEY, B.M.E. ... Instructor in Applied Mathematics
242 Hosea Ave.

ALFRED G. DAUM Mechanician and Instructor in Laboratory Arts
2350 Rohs St.

CLARE G. SHARKEY Sub-director of Vocational Education
19 Babbitt St., Dayton, O.

LECTURERS

Berl G. GRAHAM Advanced Accounting and Cost Accounting
3452 Carthage Ave. (Supervisor Evening Accounting Courses)

GEORGE W. TRUMBULL Constructive Accounting and Auditing
232 First National Bank Bldg.

JOHN J. BECKER Principles of Accounting
Cincinnati and Suburban Bell Telephone Company

RICHARD H. FUNKE Principles of Business Administration
Ryan Soap Company, Spring Grove Ave.

BERTRAM W. JENKINS, A.B. Business English
East Side High School

RICHARD M. ATKINS Credits and Collections
Gwynne Bldg.

T. J. GEISLER Principles of Finance
Central Trust and Safe Deposit Company

H. FREDERICK KOENIG, JR., CH.E., B.C., LL.B. Commercial Law
407-408 Gerke Bldg.

WILLIAM G. CURRAN Salesmanship
215 Gwynne Bldg.

THOMAS J. MOORE Advertising
1014 First National Bank Bldg.

F. M. RENSHAW Traffic Management
Chamber of Commerce

ASSISTANTS

ALICE BARBER, A.B. Physical Education
2232 Nelson Ave., Mt. Auburn

MARGARET BENGERT, A.B. English
2344 Ohio Ave.

*MABEL BIRCH English
5691 Belmont Ave.

*Second semester only

*Elizabeth Bogel English
140 W. McMillan St.
*Adelia Brownell English
134 Elm Ave., Wyoming, O.
Ming-Cheng Chou, s.b. Drawing
Central Y. M. C. A.
Bess Eversull Mathematics
414 McGregor Ave., Elmwood Place, O.
Gertrude Kemp, a.b. Political Science
244 Kearney Ave.
†Charlotta W. Poll English
8 The Romaine, Clifton
Nancy Schneider English
3453 Cornell Pl.
Gladys Sellew, a.b., b.s. Economics
1603 E. McMillan St.
J. Dewey Shields, a.b. English
2134 Madison Rd.
Robert Lee Straus, a.m. English
Hamilton Apts., Avondale
†William S. Wabnitz, a.b. English
6809 Carthage Pike
G. Bain Waters Accounting
806 Mercantile Library Bldg.
Jean Winston Mathematics
Latonia, Ky.

Graduate Student Assistants

Laura McNutt Altamer, a.b. English
5707 Lantana Ave.
Eleanor Axline English
8 The Priscilla, Hyde Park
Paul Buttenwieser, a.b. Psychology
252 Loraine Ave.
Paul Burroughes Clark, a.b. Biblical Literature
22 E. Sixth St., Covington, Ky.
Harvey Edward Drach, a.b. English
2200 Auburn Ave.
Adaline Hallock Elliott, a.b. English
20 Ash St., Ludlow, Ky.
Elmer G. Feusse, a.m. Chemistry
1906 Bigelow St.
Hyman Iola, a.b. Philosophy
3590 Eden Ave.

*First semester only
†Second semester only

CHARLOTTE HENRIETTA LANDIS, A.B. Chemistry
Conservatory of Music, Mt. Auburn
CARL EVERETT OTTO, A.M. Chemistry
1 Highway Ave., Covington, Ky.

STUDENT ASSISTANTS

DOROTHY RUTH ALLEN Chemistry
1629 Lincoln Ave.
WILLIAMETTA BAKER, A.B. Mathematics
1015 Boone St.
*MABEL BIRCH English
5691 Belmont Ave.
NELSON BROOKS Botany
3655 Middleton Ave.
RALPH BROWN Chemistry
1356 Burdette Ave.
AMELIA BUSH Romance Languages
6316 Ridge Ave.
†DAVID B. CHISHOLM Geology
4603 Glenshade Ave.
WALTER A. COOK Chemistry
Fourth and Sycamore Sts., Hamilton, O.
†LESTER CROME Metallurgy
127 Calhoun St.
ERMA ELBERG Zoology
2311 Elland Circle
FREMONT AARON ELSBACH Chemistry
3049 Cleinview Ave.
BESS EVERSULL Mathematics
414 McGregor Ave., Elmwood Place, O.
FRANK BURNHAM FINNEY History
1835 Hewitt Ave.
†MYRA GREGG Botany
565 Terrace Ave., Clifton
MARGARET GROSSE Mathematics
5123 Whetsel Ave.
†PHYLLIS HAUCK Home Economics
1820 Brewster Ave.
WILLIAM MCCLURE HAWK Chemistry
4044 Runnymede Ave.
MAX ROBERT HERRLE Metallurgy
2314 Rohs St.

*First semester only
†Second semester only

FRANK HIER Psychology
Adams and Ashland Aves., Norwood, O.
CHRISTINE HOSHAW English
249 W. McMillan St.
CLARENCE BERTRAND IRWIN Chemistry
6405 Roe St.
MOSES LEGIS ISAACS Chemistry
3264 Delaware Ave.
CHARLOTTE KEHM English
942 Columbia Ave., Newport, Ky.
*WILLIAM TERRY KING Metallurgy
212 W. McMillan St.
HAZEL KOPPENHOEFER English
3417 Warsaw Ave.
HERBERT T. LEYLAND, LL.B. History, Argumentation and Debate
140 W. University Ave.
JOHN LOOFBOUROW Physics
Montgomery and Sherman Aves., Norwood, O.
WARREN WALLACE MCINTIRE Chemistry
2318 Williams Ave., Norwood, O.
OSCAR W. MILLER Philosophy
3550 Wisconsin Ave.
*JOHN MOFFETT Metallurgy
10 Glencoe Pl.
EDWARD LAURENCE NEWMAN Chemistry
4321 Floral Ave., Norwood, O.
DEWEY REPS Zoology
5340 Madison Rd.
ROY GEORGE ROSHONG Metallurgy
2210 Ohio Ave.
*HERSCHELL CHARLES ROTH Geology
607 E. Fourth St., Newport, Ky.
GLADYS AMY SADLER Education
240 Hosea Ave.
WYLMER LEON SCOTT Chemistry
Milford, O.
HORACE SELLARDS Zoology
2515 Ohio Ave.
GLENN ELBERT SHOEMAKER Metallurgy
150 W. McMillan St.
GEORGE SNIDER Zoology
Lockland, O.
*EDWIN R. THEIS Metallurgy
1113 Vine St., Newport, Ky.
JOHN HARRISON TOWNSEND Chemistry
2305 Park Ave., Norwood, O.

*Second semester only

INEZ TRACY English
408 Southview Ave.
CARL TRINKLE Metallurgy
2355 McMicken Ave.
HENRY TWITCHELL English
845 Dayton St.
*MILDRED M. WATERS Geology
4119 31st St.
ROBERT KARL WEBER Chemistry
2826 Observatory Ave.
HELEN WEITKAMP Chemistry
757 McMakin Ave.

ADMINISTRATIVE OFFICERS

FREDERICK CHARLES HICKS, PH.D. President of the University
2425 Ingleside Pl.
LOUIS TRENCHARD MORE, PH.D. Dean of the Graduate School
317 Pike St.
FRANK WADLEIGH CHANDLER, PH.D. ... Dean of the College of Liberal Arts
323 Warren Ave.
WILLIAM PAXTON BURRIS, A.M., L.H.D. ... Dean of the College for Teachers
24 The North Roslyn, Clifton
HERMAN SCHNEIDER, SC.D. Dean of the College of Engineering and Commerce
432 Evanswood Pl.
†LOUEEN PATTEE, A.B. Dean of Women
GEORGE W. BURNS, LL.B. Assistant Dean, College of Engineering and Commerce
3130 Durrell Ave.
ERNEST LYNN TALBERT, PH.D. ... Director of Admissions, Secretary of the Faculty, College of Liberal Arts, Supervisor, Evening Academic Courses
250 Senator Pl.
ALFRED LAWRENCE HALL-QUEST, A.M. Director of School Affiliation
The Maplewood, Clifton
JERMAIN GILDERSLEEVE PORTER, PH.D. Director of the Observatory
3314 Avery Lane, Mt. Lookout
CHARLES ALBERT READ, A.B. Librarian of the University Library
3517 Cornell Pl.
WHITELAW REID MORRISON, A.M., M.D. Director of the Gymnasium
2232 Nelson Ave.
SELDEN GALE LOWRIE, PH.D. Director, Municipal Reference Library
3411 Clifton Ave.
LELIA GARVIN HARTMAN, B.L. Registrar
2343 Park Ave.

*Second semester only
†Deceased

DANIEL LAURENCE, B.S. Secretary of the University
111 Millsdale Ave., Hartwell, O.

GRETA W. BARTOW Secretary to the President
953 Burton Ave., Avondale

ESTELLE A. HUNT, A.M. Secretary to the Dean, College of Liberal Arts
3344 Whitfield Ave.

JEANNETTE BUTLER, A.B. Secretary to the Dean, College for Teachers
280 Southern Ave., Mt. Auburn

ANNA TEASDALE Secretary to the Faculty, College of Engineering and Commerce
9 The Harvey, Avondale

CLARA O. LYON Secretary to the Dean of Women
4335 Haight Ave.

ALICE E. TOMASSENE Secretary to the Director of Admissions
3315 Jefferson Ave.

RUTH A. SORGEL, A.B. Private Secretary to Secretary and Business Manager
3235 Harvey Ave.

CHRISTIE WILKE Assistant Clerk, Board of Directors
1612 Dexter Ave.

ALBERT MASSET Payroll and Voucher Clerk
133 Lyon St.

ARCH I. CARSON, JR. Collector
46 E. McMillan St.

COLLEGE OF MEDICINE

Faculty and Instructors

Frederick Charles Hicks, ph.d. President of the University
2425 Ingleside Pl.

*J. C. Oliver, m.d., f.a.c.s. . . Acting Dean of the College of Medicine and
628 Elm St. Professor of Surgery

†Henry Page, a.m., m.d., dr. p.h. Dean of the College of Medicine

Frank B. Cross, m.d., f.a.c.s. . . Secretary of the College of Medicine and
Livingston Bldg. Assistant Professor of Ophthalmology

John Charles Mackenzie, m.d. Professor of Medicine, Emeritus
2334 East Hill Ave.

Byron Stanton, m.d. Professor of Diseases of Women and Children,
6248 Savannah Ave. Emeritus

Alexander Greer Drury, a.m., m.d. Professor of Hygiene, Emeritus
2 Aberdeen Bldg.

Stephen Cooper Ayres, a.m., m.d. . . Professor of Ophthalmology, Emeritus
3760 Clifton Ave.

Philip Zenner, a.m., m.d. Professor of Neurology, Emeritus
300 Glenn Bldg.

Ernst Gustav Zinke, m.d., f.a.c.s. Professor of Obstetrics, Emeritus
4 West Seventh St.

Edward W. Walker, m.d., f.a.c.s. . . Professor of Clinical Surgery, Emeritus
214 West Seventh St.

Auguste Ravogli, a.m., m.d., f.a.c.s. . . . Professor of Dermatology and
5 Garfield Pl. Syphilology, Emeritus

Edwin W. Mitchell, a.b., m.d. Professor of Medicine, Emeritus
19 West Seventh St.

Charles A. L. Reed, a.m., m.d., f.a.c.s. Professor of Gynecology,
Eighth and Vine Sts. Emeritus

Rufus B. Hall, a.m., m.d. Professor of Gynecology, Emeritus
628 Elm St.

Frank W. Langdon, m.d. Professor of Psychiatry, Emeritus
4003 Rose Hill Ave.

Oliver P. Holt, m.d. Professor of Medicine, Emeritus
134 W. Ninth St.

J. A. Thompson, a.m., m.d., f.a.c.s. . . Professor of Laryngology, Emeritus
628 Elm St.

John W. Murphy, m.d., f.a.c.s. Professor of Otology, Emeritus
2700 Union Central Bldg.

Derrick T. Vail, m.d., f.a.c.s. . . Professor of Ophthalmology, Emeritus
24 E. Eighth St.

Charles W. Tangeman, m.d. . . Professor of Ophthalmology, Emeritus
606 Union Central Bldg.

*To May 9, 1921
†From May 9, 1921

JAMES B. SWING, A.M., LL.D.....Professor of Medical Jurisprudence, Emeritus
52 Blymyer Bldg.

JOHN M. WITHROW, M.D., F.A.C.S.....Professor of Gynecology, Emeritus
22 W. Seventh St.

WILLIAM D. PORTER, M.D.....Professor of Clinical Obstetrics, Emeritus
1 Melrose Bldg., Walnut Hills

GEORGE A. FACKLER, M.D.....Professor of Medicine, Emeritus
19 W. Seventh St.

*JOSEPH RANSOHOFF, M.D., F.R.C.S., F.A.C.S.....Professor of Surgery

B. K. RACHFORD, M.D.....Professor of Pediatrics
Livingston Bldg.

ROBERT SATTLER, M.D.....Professor of Ophthalmology
Seventh and Race Sts.

ALBERT HENRY FREIBERG, M.D., LL.D., F.A.C.S...Professor of Orthopedic Surgery
800 Livingston Bldg.

HERMAN HENRY HOPPE, A.M., M.D.....Professor of Neurology
19 W. Seventh St.

CHARLES E. CALDWELL, A.M., M.D.....Professor of Clinical Surgery and Surgical Anatomy
Livingston Bldg.

VICTOR RAY, M.D.....Professor of Clinical Ophthalmology
51 Vindonissa Bldg.

MARTIN H. FISCHER, M.D.....Joseph Eichberg Professor of Physiology
15 Maplewood Apts., Clifton

CHARLES L. BONIFIELD, M.D.....Professor of Gynecology
409 Broadway

SIGMAR STARK, M.D., F.A.C.S.....Professor of Gynecology
11½ E. Eighth St.

HENRY MCELDERRY KNOWER, PH.D...Francis Brunning Professor of Anatomy
Maplewood Apts., Clifton

FRANK FEE, M.D., F.A.C.S.....Professor of Clinical Surgery
22 W. Seventh St.

ARCHIBALD IRWIN CARSON, B.S., M.D., F.A.C.S.....Professor of Clinical Surgery
3 Ortiz Bldg.

ROGER S. MORRIS, A.B., M.D...Acting Frederick Forchheimer Professor of Medicine
3646 Washington Ave.

WILLIAM B. WHERRY, A.B., M.D...Professor of Bacteriology and Hygiene
759 East Ridgeway Ave.

WILLIAM GILLESPIE, M.D., F.A.C.S.....Professor of Obstetrics
May and June Sts.

E. OTIS SMITH, M.D., F.A.C.S.....Professor of Genito-Urinary Surgery
19 W. Seventh St.

GORDON F. MCKIM, B.S., M.D., F.A.C.S.....Professor of Genito-Urinary Surgery
1908 Union Central Bldg.

*Deceased

SIDNEY LANGE, A.B., M.D. . . Professor of Radiology and Radio-Therapeutics
5 Garfield Pl.

SAMUEL IGLAUER, B.S., M.D. Professor of Laryngology
Livingston Bldg.

DAVID I. WOLFSTEIN, M.D. Professor of Psychiatry
22 W. Seventh St.

ALBERT FALLER, M.D. Professor of Clinical Medicine
19 W. Seventh St.

BURTIS B. BREESE, PH.D. Professor of Psychology
560 Evanswood Pl.

CARL HILLER, M.D., F.A.C.S. Professor of Clinical Surgery and Surgical Pathology
19 W. Seventh St.

JOHN D. MILLER, M.D., F.A.C.S. Professor of Gynecology
Eighth and Elm Sts.

MARK A. BROWN, M.D. Professor of Medicine
707 Race St.

ALFRED FRIEDLANDER, A.B., M.D. Professor of Medicine
4 W. Seventh St.

ALBERT PRESCOTT MATHEWS, PH.D. Professor of Biochemistry
255 Loraine Ave.

EDWARD F. MALONE, A.B., M.D. Professor of Histology
Maplewood Apts., Clifton

DENNIS EMERSON JACKSON, PH.D. Professor of Pharmacology
301 Hearne Ave.

ELMORE B. TAUBER, M.D. Acting Professor of Dermatology and Syphilology
19 W. Seventh St.

OTIS H. FISK, PH.D., D.JURIS, LL.B. Professor of Medical Jurisprudence
714 Mercantile Library Bldg.

WALTER E. MURPHY, M.D. Professor of Otology
Livingston Bldg.

KENNETH D. BLACKFAN, M.D. B. K. Rachford Professor of Pediatrics
Cincinnati General Hospital

RICHARD SISSON AUSTIN, M.D. Mary M. Emery Professor of Pathology
266 Senator Pl.

WYLIE MCLEAN AYRES, A.B., M.D. . . Clinical Professor of Ophthalmology
4 W. Seventh St.

A. C. BACHMEYER, M.D. Professor of Hospital Administration
Cincinnati General Hospital

FRANK H. LAMB, A.B., B.S., M.D. Associate Professor of Pediatrics
940 E. McMillan St.

HENRY WALD BETTMANN, B.L., M.D. Associate Professor of Medicine
4 W. Seventh St.

LOUIS G. HEYN, A.B., M.D. Associate Professor of Medicine
4 W. Seventh St.

H. KENNON DUNHAM, M.D. Associate Professor of Medicine
McMillan St. and Auburn Ave.

ROBERT INGRAM, M.D. Associate Professor of Psychiatry
12 Norfolk Bldg.

HARRY H. HINES, M.D., F.A.C.S. Associate Professor of Clinical Surgery
21 Groton Bldg.

DUDLEY WHITE PALMER, B.S., M.D., F.A.C.S. . . Associate Professor of Clinical Surgery
707 Race St.

GOODRICH BARBOUR RHODES, A.B., M.D. Associate Professor of Clinical Surgery
Ortiz Bldg.

CHARLES A. LANGDALE, M.D., F.A.C.S. Associate Professor of Clinical Surgery
1906 Union Central Bldg.

J. LOUIS RANSOHOFF, A.B., M.D., F.A.C.S. Associate Professor of Clinical Surgery
Livingston Bldg.

W. D. HAINES, M.D., F.A.C.S. Associate Professor of Clinical Surgery
1606 Freeman Ave.

M. B. BRADY, M.D. Associate Professor of Clinical Medicine
322 Tusculum Ave.

CARROLL DECOURCY, M.D. Associate Professor of Clinical Medicine
210 W. Ninth St.

SHIRO TASHIRO, PH.D. Associate Professor of Biochemistry
257 Loraine Ave., Clifton

EDMUND M. BAEHR, M.D. Associate Professor of Physiology
Belcroft Bldg., Avondale

ROBERT B. COFIELD, M.D., F.A.C.S. Associate Professor of Orthopedic Surgery
19 W. Seventh St.

HENRY L. WOODWARD, M.D. Associate Professor of Obstetrics
1 Melrose Bldg., Walnut Hills

R. J. ERICKSON, A.B., M.D. Associate Professor of Medicine
Livingston Bldg.

MAGNUS A. TATE, M.D., F.A.C.S. . . Associate Professor of Clinical Obstetrics
19 W. Seventh St.

CAREY PRATT MCCORD, A.B., M.D. . . Associate Professor of Preventive Medicine
214 W. Seventh St.

ALLAN RAMSEY, B.S., M.D. Assistant Professor of Medicine
19 W. Seventh St.

OSCAR BERGHAUSEN, M.D. Assistant Professor of Medicine
19 W. Seventh St.

EDWARD A. WAGNER, M.D. Assistant Professor of Pediatrics
3106 Jefferson Ave.

RUFUS SOUTHWORTH, A.M., M.D. Assistant Professor of Therapeutics
Fountain Ave., Glendale

JAMES W. ROWE, A.B., M.D. Assistant Professor of Gynecology
124 W. Ninth St.

J. VICTOR GREENEBAUM, A.B., M.D. Assistant Professor of Pediatrics
4 W. Seventh St.

JAMES M. BENTLEY, M.D. Assistant Professor of Pediatrics
Groton Bldg.

ALBERT J. BELL, A.B., M.D. Assistant Professor of Pediatrics
Livingston Bldg.

MAX DREYFOOS, M.D. Assistant Professor of Pediatrics
Livingston Bldg.

WILLIAM M. DOUGHTY, M.D., F.A.C.S. Assistant Professor of Radiology
17 Berkshire Bldg.

JOHN C. DONALDSON, PH.B., M.D. Assistant Professor of Anatomy
Maplewood Apts., Clifton

EDWARD C. MASON, A.B., M.D. Assistant Professor of Pharmacology
3310 Elland Ave.

HAROLD L. HIGGINS, A.B., M.D. Assistant Professor of Pediatrics
Cincinnati General Hospital

*ROBERT D. MADDOX, M.D., F.A.C.S. Instructor in Orthopedic Surgery
409 Fontanet Court, Washington, D. C.

JAMES W. MILLER, M.D., B.P. Instructor in Dermatology and Syphilology
628 Elm St.

CHARLES P. KENNEDY, M.D. Instructor in Medicine
3329 Gilbert Ave.

J. EDWARD PIRRUNG, M.D., F.A.C.S. Instructor in Surgery
1218 Walnut St.

CHARLES T. SOUTHER, M.D., F.A.C.S. Instructor in Surgery
43 Groton Bldg.

CHARLES E. KIELY, A.B., M.D. Instructor in Neurology
4 Berkshire Bldg.

A. E. OSMOND, M.D. Instructor in Medicine
Livingston Bldg.

†GEORGE B. TOPMOELLER, M.D. Instructor in Gynecology
5 Garfield Pl.

L. HOWARD SCHRIVER, M.D. Instructor in Surgery
1402 Union Central Bldg.

SAMUEL ZIELONKA, M.D. Instructor in Surgery
214 W. Seventh St.

PHILIP GATH, M.D. Instructor in Medicine
Cincinnati Tuberculosis Sanatorium

J. B. ROGERS, PH.C., M.D. Instructor in Bacteriology
Cincinnati Tuberculosis Sanatorium

CHARLES C. JONES, M.D. Instructor in Oto-Laryngology
19 W. Seventh St.

JOHN A. CALDWELL, B.S., M.D., F.A.C.S. Instructor in Surgery
628 Elm St.

JOSEPH L. DECOURCY, M.D. Instructor in Genito-Urinary Surgery
210 W. Ninth St.

A. E. KOCH, M.D. Instructor in Genito-Urinary Surgery
405 Bell Block

E. A. KLEIN, M.D. Instructor in Orthopedic Surgery
1912 Delaware Ave., Norwood, O.

*Absent on leave
†Resigned

C. J. BROEMAN, M.D. Instructor in Dermatology and Syphilology
4 W. Seventh St.

STARR FORD, M.D. Instructor in Medicine
61 Auburndale Pl., Mt. Auburn

WALTER H. STIX, M.D. Instructor in Medicine
214 W. Seventh St.

HIRAM B. WEISS, A.B., M.D. Instructor in Medicine
4 W. Seventh St.

WILLIAM L. FREYHOF, A.B., M.D. Instructor in Medicine
1801 Union Central Bldg.

WILLIAM J. GRAF, M.D. Instructor in Obstetrics
1 Melrose Bldg., Walnut Hills

HELENA T. RATTERMAN, A.M., M.D. Instructor in Obstetrics
1532 Elm St.

JOSEPH A. HALL, M.D., F.A.C.S. Instructor in Gynecology
628 Elm St.

E. C. STEINHARTER, S.B., M.D. Instructor in Gynecology
703 Provident Bank Bldg.

EDWARD KING, A.B., M.D. Instructor in Oto-Laryngology
605 Traction Bldg.

MERRICK F. McCARTHY, M.D. Instructor in Otology
2700 Union Central Bldg.

HORACE F. TANGEMAN, A.B., M.D. Instructor in Oto-Laryngology
19 W. Seventh St.

DUDLEY WEBB, M.D. Instructor in Genito-Urinary Surgery
409 Broadway

RALPH W. STALEY, M.D. Instructor in Genito-Urinary Surgery
19 W. Seventh St.

*JULIEN E. BENJAMIN, B.S., M.D. Instructor in Medicine
4 W. Seventh St.

*EDWIN H. SHIELDS, D.D.S., M.D., Instructor in Dermatology and Syphilology
19 W. Seventh St.

EMERSON A. NORTH, M.D. Instructor in Neurology
Longview Hospital

N. L. SALTZMAN, M.D. Instructor in Medicine
524 W. Ninth St.

FRANK M. COPPOCK, JR., A.B., M.D. Instructor in Gynecology
409 Broadway

JOHN R. STARK, M.D. Instructor in Gynecology
11½ E. Eighth St

J. L. TUECHTER, A.B., M.D. Instructor in Therapeutics
5 Garfield Pl.

C. A. MILLS, PH.D. Instructor in Biochemistry
301 Hearne Ave.

*Absent on leave

R. R. Du Casse, M.D. Instructor in Dermatology and Syphilology
12 E. Sixth St.

Charles A. Hofling, M.D. Instructor in Ophthalmology
844 Clark St.

Francis X. Siegel, M.D. Instructor in Ophthalmology
2700 Union Central Bldg.

C. E. Shinkle, A.B., M.D. Instructor in Nervous Diseases
500 Livingston Bldg.

Vera Norton, M.D. Instructor in Medicine
Cincinnati Tuberculosis Sanatorium

B. A. Williams, M.D. Instructor in Neurology
5 Garfield Pl.

Edward D. Allgaier, A.B., M.D. Instructor in Oto-Laryngology
628 Elm St.

Frank C. Heffner, M.D. Instructor in Ophthalmology
19 W. Seventh St.

Ferdinand P. Silber, R.PH. Instructor in Pharmacy
3250 Burnet Ave.

Joseph B. Homan Instructor in Medical Art
4020 Marburg Ave.

William Sebald Keller, M.D. Instructor in Ophthalmology
65 Groton Bldg.

Clarence W. Betzner, M.D. Instructor in Orthopedic Surgery
800 Livingston Bldg.

Ralph G. Carothers, M.D. Instructor in Surgery
409 Broadway

Clarence J. King, A.B., M.D. Instructor in Ophthalmology
707 Union Central Bldg.

Henry M. Goodyear, A.B., M.D. Instructor in Oto-Laryngology
8 E. Eighth St.

Donald J. Lyle, B.S., M.D. Instructor in Laryngology
42 Leverone Bldg.

J. Asher Caldwell, M.D. Instructor in Laryngology
Walnut and Electric Aves., Newport, Ky.

Raphael Isaacs, A.M., M.D. Instructor in Medicine
3264 Delaware Ave.

A. C. Geringer, M.D. Instructor in Medicine
405 Bell Block

Ernest O. Swartz, M.D. Instructor in Genito-Urinary Surgery
4 W. Seventh St.

Frank J. Andress Instructor in Hygiene
625 Crown St.

Thomas A. Ratliff, A.B., M.D. Instructor in Neurology
Grandview Sanitarium, Price Hill

E. I. Fogel, M.D. Assistant in Pediatrics
73 Groton Bldg.

IDA WESTLAKE CALDWELL, A.B., M.D.....Assistant in Pediatrics
Eighth and Monmouth Sts., Newport, Ky.

FRANK U. SWING, M.D., F.A.C.S.....Assistant in Ophthalmology
62 Groton Bldg.

WILLIAM R. ABBOTT, M.D.....Assistant in Surgery
938 Clark St.

CLAY CRAWFORD, A.B., M.D.....Assistant in Pediatrics
2700 Union Central Bldg.

SAMUEL H. SMITH, M.D.....Assistant in Surgery
1608 Freeman Ave.

ELLIS R. BADER, M.D.....Assistant in Radiology
17 Berkshire Bldg.

SAMUEL OKRENT, M.D.....Assistant in Pediatrics
16 E. Seventh St.

HENRY M. SCHNEIDER, M.D.....Assistant in Surgery
2970 Colerain Ave.

LOUIS J. FEID, JR., M.D.....Assistant in Surgery
628 Elm St.

ETHEL GOLDSMITH, A.B.....Assistant in Psychology
3256 Burnet Ave.

*GUSTAV ECKSTEIN, JR., D.D.S.....Assistant in Physiology
20 W. Ninth St.

ARTHUR J. LIGHT, M.D.....Assistant in Laryngology
28 Findlay St.

MARIE N. WHERRY, A.B., M.D.....Assistant in Pediatrics
759 Ridgeway Ave.

ALVIN RENNEKER, M.D.....Assistant in Pediatrics
20 W. Elder St.

DAVID ANDREW TUCKER, A.M., M.D.....Assistant in Pediatrics
19 W. Seventh St.

SYMMES FRANCIS OLIVER, A.B., M.D.....Assistant in Medicine
628 Elm St.

REED SHANK, M.D.....Assistant in Surgery
3324 Harrison Ave.

H. VIRGINIA BLACKFORD, M.D.....Assistant in Pediatrics
300 Piedmont St.

HARRY LOUIS CLAASSEN, M.D.....Assistant in Dermatology
19 W. Seventh St.

HORACE W. REID, A.M., M.D.....Assistant in Ophthalmology
30 Groton Bldg.

SALMEN K. SIEBLER, B.S., M.D.....Assistant in Pediatrics
4 W. Seventh St.

ROBERT A. KEHOE, B.S., M.D.....Assistant in Physiology
537 Carplin Pl.

*Absent on leave

HOWARD D. MCINTYRE, M.D. Assistant in Neurology
Longview Hospital

CHARLES S. NOONAN, B.S., M.D. Assistant in Medicine
4 W. Seventh St.

JOHN H. SKAVLEM, B.S., M.D. Assistant in Medicine
McMillan St. and Auburn Ave.

ERNEST E. BISHOP, B.S., M.D. Assistant in Medicine
Cincinnati General Hospital

MARY S. KNIGHT, M.D. Assistant in Pathology
30 Groton Bldg.

RESEARCH ASSISTANTS

*BENJAMIN H. LAMB, M.D. Bacteriology
2637 Erie Ave.

†GEORGE D. MCLAUGHLIN Physiology
3411 Clifton Ave.

*Resigned
†First semester only

SCHOOL OF NURSING AND HEALTH

Faculty and Instructors

Frederick Charles Hicks, ph.d. President of the University
*John C. Oliver, m.d., f.a.c.s. ... Acting Dean of the College of Medicine
†Henry Page, a.m., m.d., dr. p.h. Dean of the College of Medicine

The names of the teaching staff are arranged by departments.

Nursing and Health

Laura R. Logan, a.b., b.s., r.n. ... Professor and Director of School of Nursing and Health
Blanche Pfefferkorn, b.s., r.n. Assistant Professor
Phoebe M. Kandel, r.n. Instructor
‡Parthenia K. Foster, b.s., r.n. Instructor
Louise Kuck, r.n. Instructor in Public Health Nursing
Gladys J. McKinney, a.b. Instructor
Margaret J. Busche Instructor

Anatomy

Henry McElderry Knower, ph.d. Francis Brunning Professor
Edward F. Malone, a.b., m.d. Professor of Histology
John C. Donaldson, ph.b., m.d. Assistant Professor of Anatomy

Physiology

Martin H. Fischer, m.d. Joseph Eichberg Professor
Edmund M. Baehr, m.d. Associate Professor

Biochemistry

Albert Prescott Mathews, s.b., ph.d. Professor
C. A. Mills, ph.d. Instructor

Pathology

Richard Sisson Austin, m.d. Mary M. Emery Professor

Bacteriology and Hygiene

William Buchanan Wherry, a.b., m.d. ... Professor of Bacteriology and Hygiene
Carey P. McCord, m.d. ... Associate Professor of Preventive Medicine

Pharmacology

Dennis Emerson Jackson, ph.d., m.d. Professor

Medicine and Medical Nursing

Roger S. Morris, a.b., m.d. ... Acting Frederick Forchheimer Professor
Hiram B. Weiss, a.b., m.d. Instructor
Raphael Isaacs, a.m., m.d. Instructor

*To May 9, 1921
†From May 9, 1921
‡Resigned

VIRGINIA C. GANO, R.N.....Instructor in Nursing and Night Supervisor
VALERIE M. WEIL, A.B., R.N...Instructor in Medical Nursing and Supervisor of Medical Wards
*DRUSCILLA SCHENCK, R.N.....Instructor in Nursing Contagious Diseases and Supervisor of Contagious Wards
EDITH NORTHRUP, R.N.....Instructor in Nursing Contagious Diseases and Supervisor of Contagious Wards

Pediatrics

B. K. RACHFORD, M.D.....Professor
KENNETH D. BLACKFAN, M.D.....B. K. Rachford Professor
ALBERT J. BELL, A.B., M.D.....Assistant Professor
EDWARD A. WAGNER, M.D.....Assistant Professor

Neurology and Psychiatry and Psychology

HERMAN HENRY HOPPE, A.M., M.D.....Professor of Neurology
DAVID I. WOLFSTEIN, M.D.....Professor of Psychiatry
ROBERT INGRAM, M.D.....Associate Professor of Psychiatry
CHARLES E. KIELY, A.B., M.D.....Instructor in Neurology
ERNEST L. TALBERT, PH.D.....Assistant Professor of Psychology
NELL P. ISAMINGER, R.N.....Instructor in Psychiatric and Neurologic Nursing and Supervisor of the Psychopathic Wards

Dermatology

ELMORE B. TAUBER, B.S., M.D.....Acting Professor

Otology

WALTER E. MURPHY, M.D.....Professor

Laryngology and Rhinology

SAMUEL IGLAUER, B.S., M.D., F.A.C.S.....Professor
M. F. MCCARTHY. A.B., M.D.....Instructor

Ophthalmology

ROBERT SATTLER, M.D., F.A.C.S.....Professor
VICTOR RAY, M.D.....Professor of Clinical Ophthalmology

Surgery and Surgical Nursing

†JOSEPH RANSOHOFF, M.D., F.A.C.S., F.R.C.S.....Professor
JOHN CHADWICK OLIVER, M.D., F.A.C.S.....Professor of Clinical Surgery
DUDLEY WHITE PALMER, B.S., M.D., F.A.C.S.....Associate Professor of Clinical Surgery
JOHN A. CALDWELL, B.S., M.D., F.A.C.S. Instructor in Surgery
BETTIE A. HANNA, R.N.....Instructor in Surgical Technique for Nurses and Supervisor of Operating Pavilion

*Resigned
†Deceased

Gynecology

SIGMAR STARK, M.D., F.A.C.S. Professor
CHARLES LYBRAND BONIFIELD, M.D. Professor

Genito-Urinary Surgery

E. OTIS SMITH, M.D., F.A.C.S. Professor

Orthopedic Surgery

ALBERT HENRY FREIBERG, M.D., LL.D., F.A.C.S. Professor
EMILY G. FESSENDEN Instructor in Mechano-Therapy and Supervisor of Orthopedic Gymnasium

Obstetrics and Obstetrical Nursing

WILLIAM GILLESPIE, M.D. Professor
MAGNUS A. TATE, M.D., F.A.C.S. Associate Professor of Clinical Obstetrics

Foods and Nutrition

WILHELMINE DEITEMEIER, B.S. Instructor

STAFF LECTURERS

A. C. BACHMEYER, M.D. .. Superintendent, the Cincinnati General Hospital
ELIZABETH COCKE, R.N. .. Superintendent, the Visiting Nurse Association
KATHERINE J. DENSFORD, A.M., R.N. .. County Nurse, Cincinnati and Hamilton County Chapter, American Red Cross
LUCY GUARD, B.S. Dietitian, Contagious Department, Cincinnati General Hospital
BLANCHE MOORBRINK, R.N. .. Supervisor of Nurses, Cincinnati Tuberculosis Sanatorium
WILLIAM H. PETERS, M.D. Health Officer, City of Cincinnati
ADA S. STOKES, R.N. Supervisor, College of Medicine Dispensary
HARRIET B. GEGNER Director of Social Service Handicraft Department
GLADYS SELLEW, A.B., B.S., R.N. Lecturer on Social Science

OTHER TEACHING ASSISTANTS

Cincinnati General Hospital

REBECCA ANDERSON, R.N. Head Nurse, Psychopathic Ward
KATHERYN BATEY, R.N. Head Nurse, Operating Pavilion
CARRIE M. BEATTY, R.N. Assistant Night Supervisor
CARRIE A. BENHAM, A.B., R.N. Head Nurse, Surgical Ward
HELEN BLAIR, R.N. Head Nurse, Medical Ward
EVA BOYD, R.N. Head Nurse, Contagious Ward
FLORA BUTLER, R.N. Head Nurse, Surgical Ward
RUTH CHALKLEY, R.N. Head Nurse, Contagious Ward
HULDA EMERSON, R.N. Head Nurse, Gynecological Ward
HELEN FOSSON, R.N. Head Nurse, Contagious Ward

Blanche Augusta Gimple, r.n. Head Nurse, Contagious Ward
Emma A. Hofmann, r.n. Head Nurse, Venereal Ward
Mary Jameson, r.n. Head Nurse, Surgical Ward
Grace Irene Nesbit, r.n. Head Nurse, Admitting Pavilion
Emma Winona Neuman, r.n. Head Nurse, Orthopedic Gymnasium
Jeanette Harietta Roselius, r.n. Head Nurse, Obstetrical Ward
Mary Louise Schmueckle, r.n. Head Nurse, Eye, Ear, Nose, and Throat Ward
Emily Schob, r.n. Head Nurse, Pediatric Ward
Mary Lou Slonacker, r.n. Head Nurse, Pediatric Ward
Luella Caroline Smith, r.n. Head Nurse, Pediatric Ward
Orza Talbot, r.n. Head Nurse, War Risk Insurance Ward
Mary Jane Tierney, r.n. Head Nurse, Medical, Surgical, and Gynecological Ward
Elinor V. Tomlinson, r.n. Supervisor, Admitting Pavilion
Mary Tripp, r.n. Head Nurse, Pediatric Ward
Helen Mae Tucker, r.n. Assistant Supervisor, Operating Pavilion
Therese Von Heygendorf, r.n. Night Supervisor, Contagious Pavilions
Lelia C. Weedin, b.s., r.n. Head Nurse, Medical Ward
Elinora Tennant Westcott Head Nurse, Admitting Pavilion
Nannie F. York, r.n. Head Nurse, Surgical Ward

Administrative Officers

Frederick Charles Hicks, ph.d. President of the University
2425 Ingleside Pl.

*John C. Oliver, m.d., f.a.c.s ... Acting Dean of the College of Medicine
628 Elm St.

†Henry Page, a.m., m.d., dr. p.h. Dean of the College of Medicine

Frank B. Cross, m.d., f.a.c.s. Secretary of the College of Medicine
Livingston Bldg.

Anna Lucille Hook Assistant Secretary, College of Medicine
2123 Sinton Ave.

Laura R. Logan, a.b., b.s., r.n. Director of the School of Nursing and Health, Cincinnati General Hospital

A. C. Bachmeyer, m.d. .. Superintendent and Medical Director of the Cincinnati General and Tuberculosis Hospitals

Philip Gath, m.d. Assistant Superintendent of the Tuberculosis Sanatorium

Angelo Doherty Assistant Superintendent of the Cincinnati General Hospital

Ernest Lynn Talbert, ph.d. Director of Admissions
250 Senator Pl.

Lelia Garvin Hartman, b.l. Registrar
2343 Park Ave.

Daniel Laurence, b.s. .. Secretary and Business Manager of the University
111 Millsdale Ave., Hartwell, O.

‡Margaretta A. Jones, a.b. . Secretary to the Director, School of Nursing and Health
4319 Erie Ave., Madisonville

Frances Currie Librarian of the College of Medicine
34 The Roanoke, Clifton

Ada Stokes, r.n. Supervisor of the College Dispensary

Edith Condit Registrar of the College Dispensary

Josepha Kuhn, Supervisor of the Social Service of the College Dispensary

*To May 9, 1921
†From May 9, 1921
‡Resigned

COLLEGE OF LAW

(Cincinnati Law School)

Faculty

FREDERICK CHARLES HICKS, PH.D. President of the University
2425 Ingleside Pl.

ALFRED B. BENEDICT, A.B., LL.D. Professor of Law and Dean of the College of Law
50 Wiggins Block

MOSES F. WILSON, LL.D. Professor of Law Emeritus
Ortiz Bldg.

ROBERT C. PUGH, LL.D. G. H. Wald Professor of Law of Contracts and Assistant Dean
125 Kinsey Ave.

JUDSON HARMON, LL.D., D.C.L. Rufus King Professor of Constitutional Law
2957 Annwood Ave.

CHARLES E. WEBER, LL.B. Professor of Law
126 W. 74th St., Carthage

BENTON S. OPPENHEIMER, LL.B. Professor of Law
3626 Alaska Ave.

*STANLEY W. MERRELL, A.B., LL.B. Professor of Law

EDWARD J. DEMPSEY, LL.B. Professor of Law
551 Purcell Ave.

CARL C. WHEATON, A.B., LL.B. Professor of Law
Clifton Ave., W. of Vine St.

EARL C. ARNOLD, A.B., LL.B. Professor of Law
Clifton Ave., W. of Vine St.

J. LOUIS KOHL, A.B., LL.B. Professor of Law
2431 Ingleside Pl.

WALTER M. SHOHL, A.B., LL.B. Professor of Law
714 S. Crescent Ave.

BENJAMIN CARLTON VAN WYE, A.M. Associate Professor of Public Speaking, Department of English
3525 Biddle St., Clifton

Administrative Officers

FREDERICK CHARLES HICKS, PH.D. President of the University
Office, 10 McMicken Hall

ALFRED B. BENEDICT, A.B., LL.D. Dean
Office, 50 Wiggins Block

ROBERT C. PUGH, LL.D. Assistant Dean
Office, Clifton Ave., W. of Vine St.

ERNEST LYNN TALBERT, PH.D. Director of Admissions
Office, 2 McMicken Hall

DANIEL LAURENCE, B.S. Secretary and Business Manager of the University
Office, 4 McMicken Hall

NETTIE S. BIRK Secretary to the Faculty and Registrar
Office, Clifton Ave., W. of Vine St.

*Deceased

THE OBSERVATORY

JERMAIN GILDERSLEEVE PORTER, PH.D. Director and Professor
3314 Avery Lane, Mt. Lookout

EVERETT IRVING YOWELL, PH.D. . . First Astronomer and Associate Professor
Corbett and Griest Aves., Mt. Lookout

ELLIOTT SMITH, PH.D. Second Astronomer and Assistant Professor
Observatory Grounds, Mt. Lookout

THE UNIVERSITY LIBRARY

CHARLES ALBERT READ, A.B. Librarian
3517 Cornell Place, Clifton

MARGUERITE BURNET RESOR, A.B. Head Cataloguer
254 Greendale Ave., Clifton

MARGARET CAMPBELL Assistant
8352 Curzon Ave., Hartwell, O.

ROBERTA MOORE GIBSON, A.B. Assistant
2407 Ashland Ave., Walnut Hills

BARBARA C. EMERSON Assistant
Senator Place Apts., Clifton

MRS. HENRY F. FARNY Cataloguer
Senator Place Apts., Clifton

MARY M. CALDWELL Cataloguer
19 Poinciana Apts., Avondale

PAUL BOGLE Night Librarian and Assistant, Engineering Library
140 W. McMillan St.

FRANCES CURRIE Librarian of the College of Medicine
34 The Roanoke, Clifton

THE UNIVERSITY MUSEUM

ALBERT WILKERSON Assistant
3061 Griest Ave.

THE MUNICIPAL REFERENCE BUREAU

SELDEN GALE LOWRIE, PH.D. Director
3411 Clifton Ave.

WARWICK BLACK, A.M. Assistant Librarian
3368 Morrison Ave.

ADDRESSES AND LECTURES

1919-1920, 1920-1921

Convocation

Lt. Commander Albert C. Read, Lt. Commander G. H. Weichelt, of the hydroplane N-C4; Judge Charles Hoffman, of the Court of Domestic Relations; Dr. J. Shane Nichols; Lt. Wierzbicki; Miss Jane Addams, of Hull House, Chicago; Professor J. J. Campenois, of France; Mr. Edgar Powers; Mr. James Pease; Mr. Herman Rogert; Capt. Owen Wiard, of the Y. M. C. A.; Professor Sam Higginbottom, of the Ewing Christian College, Allahabad, India; Mr. A. J. Elliott, of the Y. M. C. A.; Mr. Alfred Bettman; Mr. A. Nash; Mr. Fritz Leiber and Mr. Clifford P. Hall, Shakespearean actors; William Hammond Parker, PH.D.

Public Addresses

Brig.-Gen. Peter Traub, commanding officer at Fort Thomas: "The American Soldier in France," November 7, 1919.

Lt.-Col. Chester R. Davis, of the R. O. T. C.: "Ceylon," November 20, 1919.

Miss Helen W. Bennett, manager of the Chicago Collegiate Bureau of Occupation: "Vocations for College Women," February 17, 1920.

Mr. Thomas Adams, town adviser for city planning for the Dominion of Canada: "City Planning," February 25, 1920.

Brig.-Gen. Eben Swift: "American Operation in the Late War," March 26, 1920.

Miss Jane Hamilton, executive secretary of the National League of Women Workers: "Girls' Recreation Clubs," March 30, 1920.

Charles William Dabney, PH.D.: "The Formative Influences in Poe," April 8, 1920.

Major Zinovi Pechkoff, of the French army: "Reparation Due to France," April 18, 1921.

The Alliance Française

The Alliance Française, a national association, officially recognized by a decree of the President of the French Republic, October 23, 1886, aims to promote the study of the French language and literature in foreign lands.

The Cincinnati branch of the Alliance Française, in cooperation with the University of Cincinnati, arranges for a number of lectures and meetings to be given during the year by some of the most eminent French writers of the day. To these lectures students of the University of Cincinnati are admitted by season tickets, free of charge.

Professor Lucien Levy Bruhl: "Jean Jaurès," November 21, 1919.

Lt. de Wierzbicki: "My Recent Journey through France," December 10, 1919; "The Real Significance of the Treaty of Versailles," January 8, 1920.

Mlle. Emma Morhard: "The Soul of Alsace; the Miracle of the Marseillaise," December 11, 1919.

M. Emile Villemin: "The Old Cities of Southern France," January 18, 1920; "The Philosophy of Moliere," January 19, 1920.

Lt. André L'Huillier: "Reconstruction in France: My Own Village, Somme-py," January 29, 1920.

Professor André Allix: "The Great Men of France," February 3, 1920.

Mlle. Marguerite Clément: "The Problems of the Workingman in France; the Solutions Proposed for Them," March 5, 1920.

Professor Anatole Le Braz: "The *Chanson de Roland*, the Epic Soul of France," March 22, 1920; "Victor Hugo; the Poetic Soul of France," March 23, 1920.

Professor Albert de Lapradelle: "Empress Eugenie," October 26, 1920.

M. Gaston Riou: "La Civilisation est elle en hausse ou en baisse?" November 22, 1920; "Why French Thought has Become Spiritualistic," November 23, 1920; "General Meygand," February 14, 1921.

Lt. de Wierzbicki: "Literature in France during the War," December 8, 1920; Reading of *Chantecler*, December 10, 1920.

M. Emile Villemin: "Mont St. Michel," January 24, 1921; "Apres midi dramatique," January 25, 1921; "The Inspiration Drawn from the Women in Racine," January 26, 1921.

Professor Franck Schoell: "Ferdinand of Bulgaria; the Balkan Question," February 21, 1921.

Professor Jules Legras: "The Causes of the Russian Revolution," March 21, 1921.

American Institute of Electrical Engineers

R. C. Gowdy, PH.D., professor of Physics: "Some Physical Problems of the War," October 28, 1919.

Mr. C. Britten, Hyatt Bearing Company: "Roller Bearings on Electrical Machines," November 18, 1919.

Mr. J. A. Brett, Westinghouse Electric and Mfg. Company: "The Field of Electrical Engineering," December 9, 1919.

Mr. W. W. Petry, American Rolling Mill: "Autogenous Welding," January 27, 1920.

Fay Norton, E.E., Coordination Department: "Electrolysis," February 3, 1920.

C. S. Jones, E.E., superintendent of the Cincinnati Fire Tower: "The Signal System," March 16, 1920.

Alexander M. Wilson, M.E., professor of Electrical Engineering: "The Interference of Power Lines with Telephone Lines," March 30, 1920.

Elmer W. Coleman, E.E., Electrical Engineering Department: "What is Electricity?" May 25, 1920.

Mr. L. T. Milnor, president of the Milnor Electric Company: "Electrical Work," October 19, November 2, 1920.

Mr. W. W. Freeman, president of the Union Gas and Electric Company: "Public Utilities as Public Servants," October 26, November 30, 1920.

Charles B. Hoffman, M.E., E.E., Electrical Engineering Department: "Milestones of Electrical Engineering," November 9, 1920.

Mr. F. D. Wyatt, electrical engineer, Union Gas and Electric Company: "The West End Plant of the Union Gas and Electric Company," November 16, 1920.

Mr. C. F. Fosdick, engineer with Walter Franz, consulting engineer: "The Dixie Terminal Building," November 23, December 7, 1920.

Mr. E. B. Smith, electrical engineer, General Electric Company: "Motor Control," January 11, 18, 25, February 1, 15, 1921.

American Society of Mechanical Engineers

Dexter S. Kimball, dean of the Engineering College, Cornell University: "The Student Section of A. S. M. E.," October 16, 1919.

Mr. F. E. Cardullo, of the Gray Planer Company: "The Various Methods of Heat Treatment," November 13, 1919.

The Scallon Supply Company: "Uses and Abuses of the Twist Drill, December 19, 1919.

Mr. E. C. Hoges: "Gypsum," February 19, 1919.

Mr. E. A. Mueller: "The Machine Tool Industry of Cincinnati," April 23, 1920.

C. L. Ferguson, M.D.: "Medicinal Aid in the Industries," October 19, 1920.

Mr. E. Ritter: "The Design of Steam Whistles," January 18, 1921.

B. B. Breese, PH.D., professor of Psychology: "Principles of Psychology," January 19, 1921.

Mr. Will Reeves: "Americanization Work," February 16, 1921.

Mr. L. Neninger: "Steps in Machine Design," March 15, 1921.

Mr. W. Devereaux: "Forecasting the Weather," April 13, 1921.

Blue Hydra

John Uri Lloyd, PH.D.: "Benedict the Occasion, Lloyd the Victim," December 8, 1919.

Albert P. Mathews, PH.D., professor of Biochemistry: "Evolution," January 12, 1920.

Miss Lucy Braun, PH.D., Botany Department: "My Western Trip," February 9, 1920.

Dr. Bruce Fink, of Miami University: "Tramping through the Kentucky Mountains," March 9, 1920.

Dr. D. R. Van Atta: "Economics in Agriculture," April 17, 1920.

Mrs. Mabel Hubbard Birch: "Early Blue Hydra Days," December 6, 1920.

Harris M. Benedict, PH.D., professor of Botany: "Senility," February 21, 1921.

Mr. Walter H. Aiken, director of Music, Public Schools of Cincinnati: "Fungi," March 14, 1921.

H. W. Felter, M.D.: "Medicinal Plants," April 11, 1921.

George D. Fuller, PH.D., assistant professor of Ecology, University of Chicago: "Sand Dunes of Lake Michigan," June 24, 1921.

Braune Civil Engineering Society

Arthur E. Morgan, chief engineer, Miami Conservancy District: "Sky Hooks," April 17, 1920.

Herman Schneider, PH.D., dean, College of Engineering and Commerce: "Future Development of the Engineering College," April 17, 1920.

Frank L. Raschig, principal assistant engineer, Rapid Transit Commission: "Municipal Engineering," "The Rapid Transit Plans for Cincinnati," April 17, 1920.

H. C. Boyden, engineer, Portland Cement Association: "Recent Developments in Concrete," January 24, 1921.

Otto Charles von Schlichten, A.B., Geology Department: "Mineralogical Tests of Engineering Materials," April 18, 1921.

Mr. Ralph Modjeski, consulting engineer, Chicago: "The Relation of Engineers and Contractors," April 30, 1921.

Classical Club

Miss Dorothea Spinney, of England: "*Hippolytus*," November 12, 1919; "*Bacchae*," November 19, 1919; "*Hamlet*," November 26, 1919; "*Rosalind*," December 3, 1919; "*Alcestis*," February 23, 1921; "*Antigone*," February 25, 1921.

Dean Andrew Fleming West, Princeton University: "Horace, the Man," December 9, 1919.

Professor John A. Scott, Northwestern University: "Homer, the Poet," February 21, 1920.

Professor Paul Shorey, University of Chicago: "Patriotism and the Classics," March 31, 1920.

Professor W. A. Oldfather, University of Illinois: "The Sayings of Jesus." February 26, 1921.

Professor Alfred Dame, Washington and Jefferson University: "The Greeks in Egypt," February 26, 1921.

Mr. David Hogarth, Ashmolean Museum, Oxford, England: "The Greeks in Asia Minor," March 15, 1921.

History Club

R. C. McGrane, PH.D., professor of History: "Cincinnati in the Jacksonian Era," November, 1919; "The Germany of Today," February 21, 1921.

Elmer C. Griffith, PH.D., History Department: "European Influences in the Ohio Valley," December, 1919.

Raymond Chambers, A.M., History Department: "Report of the American Historical Association," January, 1920: "The Economic Future of Latin-America," April 18, 1921.

Beverley W. Bond, Jr., PH.D., History Department: "Political and Economic Conditions in Europe Today," November 15, 1920.

David I. Wolfstein, M.D.: "Woodrow Wilson and Alexander the First—Two Idealists," March 21, 1921.

Miss Miriam B. Urban, A.M., History Department: "Italy's Questions," May 16, 1921.

Ropes Lectures

John Erskine, PH.D., of Columbia University: "The Amazon in Poetry," March 1, 1920; "A Renaissance Theory of Love," March 2, 1920; "Passion for Justice," March 3, 1920.

John Avery Lomax, A.M., secretary of the University of Texas: "Some Types of the American Ballad," March 22, 1920.

Richard Burton, PH.D., of the University of Minnesota: "Invention in the Novel," March 24, 1920; "Characterization in the Novel," March 25, 1920; "Interpretation in the Novel," March 26, 1920.

M. Albert Feuillerat, of the University of Rennes and exchange professor at Yale University: "Imagination in French Literature," April 8, 1920.

Raffaello Piccoli, professor of English Literature, University of Pisa, and exchange professor at Smith College: "The Literary Relations of England and Italy," April 30, 1920.

George Edward Woodberry, LITT.D., LL.D., poet, editor, and critic, formerly professor of Comparative Literature, Columbia University: "Shelley," December 13, 1920; "Longfellow," December 14, 1920; "Lowell," December 15, 1920.

Emile Villemin, conferencier of the Theatre Français des Etats-Unis and of the Museum of French Art: "La France Villageoise" and "Democrite," January 17, 1921.

Gregory Zilboorg, secretary to the Minister of Labor in the Kerensky cabinet: "The Intellectual Groping for the Meaning of Man," February 14, 1921; "The Greatness of the Lonely," February 15, 1921; "The Gloom of the Abyss," February 16, 1921.

Vachel Lindsay, poet: "The Golden Book of Cincinnati," March 3, 1921.

George Philip Krapp, PH.D., professor of English, Columbia University: "American Literary Style," March 14, 1921; "American Proper Names," March 15, 1921.

Conference of Secondary School Principals and Teachers

Dr. Charles H. Judd, director of the School of Education, Chicago University: "Recruiting the Teaching Profession," February 21, 1920.

Dr. John W. Withers, dean-elect, School of Pedagogy, New York University: "Leadership and College Education," February 26, 1921.

GENERAL STATEMENT

FOUNDATION AND GROWTH

For an adequate conception of the University of Cincinnati, its growth, its organization, its component parts, its aims and aspirations, it is necessary to go back about a century and trace the checkered but honorable histories of several institutions. In 1814 a number of Cincinnati gentlemen organized the Cincinnati-Lancaster Seminary. Before the building was entirely finished, although the school had been in operation for some years, three prominent citizens secured legislation from the General Assembly authorizing the incorporation of "The President, Trustees, and Faculty of the Cincinnati College," by which the scope of the seminary was broadened. This act was passed in January, 1819, its foremost advocates being General William Little, Jacob Burnet, and Dr. Daniel Drake. The new college, having been merged with the old Cincinnati-Lancaster Seminary, was opened shortly afterwards and continued in operation until 1825.

Later on, in 1834-5, other subscriptions were obtained, and the college was reorganized. Besides the regular academic courses departments of medicine and of law were established and with the latter the Cincinnati Law School, founded the year previous, 1833, by John C. Wright, Timothy Walker, and Edward King, was combined. All departments, except that of law, which still survives, passed out of existence within a few years.

In the same year that the Cincinnati College was organized, the Medical College of Ohio received its charter, the prime mover of its inception being Dr. Daniel Drake. The new institution opened its doors for the reception of students in 1820, its first faculty consisting of Dr. Drake, Dr. Jesse Smith, and Dr. Benjamin Bohrer. The oldest institution for medical education west of the Allegheny Mountains, with a long period of honorable and useful service, it became, in the year 1896, the College of Medicine of the University of Cincinnati.

The interesting course of the Cincinnati Observatory must be followed for thirty years before the time is reached when a new institution—a municipal university—had its birth. Largely through the efforts of Ormsby MacKnight Mitchel, educator, astronomer, soldier, who was at that time professor of mathematics and astronomy of the literary department of the Cincinnati College, the Cincinnati Astronomical Society was formed in 1842, three hundred shares of stock were sold, and an eleven-inch equatorial, the largest in the country at that time, was purchased. The original site on Mt. Adams was donated by Nicholas Longworth, and in spite of financial depression and many other difficulties, Professor Mitchel had the satisfaction of seeing the corner-stone of the Observatory building laid on November 9, 1843, by Ex-President John Quincy Adams.

Professor Mitchel was director from the time of the completion of the building until 1860. In 1868 Professor Cleveland Abbe was appointed director. He secured the cooperation of numerous observers in various parts of the country, inaugurated a system of daily weather reports, and attempted the prediction of meteorological disturbances. After a few months this service passed into the hands of the Western Union Telegraph Company, but the work of Professor Abbe had had its effect, arousing popular interest which led speedily to the formation of the United States Weather Bureau.

In 1872, a short time after the formal incorporation of the University of Cincinnati, the Astronomical Society transferred its property to the new institution, on the condition that the city agree to sustain the Observatory. At the same time a new site on Mt. Lookout was donated and a new building erected. Since that time astronomical work of a high order has been carried on continuously.

Passing now to the history of the University and of its absorption of the above institutions:

On his death, in 1858, Charles McMicken gave to the city of Cincinnati most of his estate, valued at about $1,000,000, for the purpose of establishing and maintaining "two colleges for the education of white boys and girls." Nearly half of the property devised by Mr. McMicken, situated in the state of Louisiana, was entirely lost, in 1860, by a decision of the Supreme Court of that state, annulling that part of the devise. As the rest of the property, that in Cincinnati and vicinity, did not yield an income sufficient to provide for the establishment of the two colleges, the revenue derived from the estate was for ten years applied to its improvement. For some years after 1869 the trustees gave certain financial assistance to a School of Design, transferred in 1884 to the Cincinnati Museum Association. But in 1870, by a state act, "to enable cities of the first class to aid and promote education," Cincinnati proceeded to the incorporation of the University of Cincinnati. In 1872 additional legislation enabled the city to issue bonds to provide a suitable building, which was not ready for use until the fall of 1875. In the meantime the Academic Department, now the College of Liberal Arts, was established, its courses being given for a while by the teachers of Woodward High School.

The income from the original fund having proved inadequate, the city, in 1893, undertook to aid in the support of the University through public taxation, allowing three tenths of a mill, and, in 1906, five tenths.

The College of Engineering, organized under that name in 1900 and becoming a distinct department with a dean at its head in 1904, developed out of a chair of civil engineering in the College of Liberal Arts. When, in 1887, the Clinical and Pathological School of the Cincinnati City Hospital was organized, it was affiliated with the University, being designated the Medical Department. In 1896 the Medical College of Ohio became the College of Medicine of the University, since which date the Clinical and

Pathological School has been known as the Department of Clinical Medicine. The College for Teachers was organized in cooperation with the Board of Education in 1905. In affiliation with it is the Cincinnati Kindergarten Training School. In 1906 the Graduate School was established as a distinct college, with a dean as its executive officer. In 1909 the Miami Medical College became an integral part of the University and the new College of Medicine of the University of Cincinnati was established. In 1916, under the new City Charter, the Medical College and Cincinnati General Hospital were fused into a single organization which is administered by the Board of Directors of the University. In 1912 the regular evening classes of the College of Liberal Arts were established. In the same year the College of Commerce was organized, and in 1919 was made a part of the College of Engineering, which is henceforth to be known as the College of Engineering and Commerce. In 1912 also the Bureau of City Tests was established in the Engineering College in connection with the Engineer's office of the Department of Public Service of the city. In 1914 the School of Household Arts was established and became in 1919 the Department of Home Economics of the College for Teachers. In 1916 the new Department of Hygiene and Physical Education was organized. In the same year the Cincinnati Hospital Training School for Nurses became the School of Nursing and Health, a department in the College of Medicine. In 1918 the Cincinnati Law School became the College of Law of the University. In 1918, also, under the Smith-Hughes Act, there was established in the College for Teachers the Department of Vocational Education.

BUILDINGS AND SITE

From 1875 to 1895 the Academic Department occupied the building erected on the grounds of the McMicken homestead, as required by the will of the founder. This site proving altogether unsatisfactory, application was made to the courts for permission to remove to a more suitable location in Burnet Woods Park. The desired permission having been granted, steps were immediately taken for the construction of a main building, called McMicken Hall, which was completed in two years. This building stands on high ground at the southern end of the park, forty-three acres having been set apart as a site for the University. During the years 1895 and 1896 the north wing, known as Hanna Hall, was built with funds amounting to about $70,000, provided by Henry Hanna. The south wing, called Cunningham Hall, was built in 1898 and 1899 by Briggs S. Cunningham, at a cost of $60 000.

The Van Wormer Library, costing about $60,000, the gift of Asa Van Wormer, was built during the years 1898 to 1900.

The Observatory, built in 1873 with $10,000 given by John Kilgour, stands on Mt. Lookout, several miles distant from the other University buildings. A smaller structure, the O. M. Mitchel Building, was added in 1904 to house the old telescope. In 1912 this building was enlarged by the addition of a lecture room, a library, and another small dome.

From 1896 to 1917 the building on the McMicken homestead site was used by the College of Medicine, and the Dispensary occupied a building on the lower part of the grounds. On May 25, 1915, Mrs. Mary M. Emery made an offer of $250,000 for the construction of a new medical college building, on condition that an additional $250,000 be raised for equipment, etc. To meet the conditions of Mrs. Emery's gift, donations were received to the amount of $255,000, making a total of $505,000. The building was completed in September, 1917, being located on twelve acres of ground on Eden Avenue, given by the city. Quarters for the Dispensary have been provided in the Cincinnati General Hospital.

A gymnasium, power plant, and engineering building, provided by the city at a cost of $550,000, were completed in December, 1911.

A chemical laboratory, a woman's building, and a stadium, also provided by the city at a cost of $550,000, were completed in December, 1916.

For many years the College of Law was located in the Mercantile Library Building on Walnut Street between Fourth and Fifth, on the site of the old Lancaster Seminary, of which it is the direct and sole successor. From 1902 to 1920 the college was located at 21 West Ninth Street, near Race Street. At present, pending the erection of a permanent law school building on the University grounds, Burnet Woods, it occupies the building formerly used by the College of Medicine, situated on Clifton Avenue, two squares west of Vine Street.

EQUIPMENT

CARSON FIELD

Carson Field, adjacent to the Gymnasium, contains a baseball diamond, a football gridiron, and a quarter-mile cinder track, with a one hundred and twenty yard straight-away extending in front of the new grand stand. A large part of the work in athletics is done out of doors during good weather, and such games as football, baseball, basket ball, and track athletics are a part of the students' training. Lessons in boxing, wrestling, and fencing are also given to students interested in these forms of exercise. For indoor work, the gymnasium, with its cork-covered running track, white-tiled swimming pool, and spacious locker rooms, affords excellent facilities.

MUSEUMS

The Museum of Natural History consists of a number of geological and biological collections. Among others are specimens donated from the Zoological Garden from time to time; the Balke natural history collections, chiefly of mammals, birds, and insects; the Huntington collection of shells; the Fillmore and Schneider collection of Philippine relics; the Fechheimer collection of igneous rocks; the Wetherby collection of rocks and minerals; and the McCord collection of fossils and minerals. The Department of Geology and Geography has also on exhibition a part of its

working collections of maps, models, minerals, rocks, and fossils. Other valuable collections are the U. P. James collection of fossils and minerals, the Carl Holmes collection of Greenland birds, permanently loaned by the late Dr. and Mrs. C. R. Holmes; donations by Mr. E. Meyer and Dr. Arch I. Carson; and several group mounts of large animals.

In 1918 Mr. James Albert Green presented to the Geological Museum a large collection of minerals made by the late Charles H. Pennypacker, of Westchester, Pennsylvania. The collection embraces from 4,000 to 5,000 specimens, representing from 150 to 200 species.

In the same year the University acquired by bequest from the late George W. Harper, of Cincinnati, his extensive collection of fossils. The size and quality of this collection give it rank among the leading scientific collections made in the Ohio Valley.

In 1912 the heirs of the late Samuel A. Miller loaned to the University his large collection of fossils (more than 8,000 labels), gathered from various parts of America and Europe. The collection is for sale and is open at all times for inspection by prospective buyers.

THE UNIVERSITY LIBRARY

The Van Wormer Library is open from 8 A.M. to 9:40 P.M., on Monday to Friday; Saturday, 8 A.M. to 5 P.M.

The University Library, in this building, contains about 85,000 volumes and 10,000 pamphlets.

The Library contains some valuable special collections:

The Robert Clarke Library, comprising 6,761 volumes, given by William A. Procter.

The Enoch T. Carson Shakespeare Library, 1,420 volumes, also given by William A. Procter.

The Bruehl Library, of about 2,000 volumes, on the history, archaeology, and ethnology of Mexico and Central America.

The Wilson Library, of English, French, and Italian literature, 810 volumes, given by Judge Moses F. Wilson.

The Merrill Library of engineering works, 876 volumes, 478 pamphlets, and 185 maps, charts, and photo-lithographs, given by Mrs. William E. Merrill.

The Whittaker Medical Library, the bequest of Dr. James T. Whittaker to the Medical College of Ohio, 1,547 volumes and 538 pamphlets.

The Thoms Library, part of the bequest of the late Matthew Thoms.

The Brown Philological Library, consisting of the English philological library of the late Professor Edward Miles Brown. Contains 318 bound volumes, 51 unbound volumes, and 83 pamphlets.

The Charlotte Hillebrand Memorial Library of French and German books, 1,500 volumes.

The Alexander Hill Library of American history and literature, 800 volumes.

The Leon De Gisbert Library, books on French literature, history, and art, 900 volumes.

The Library of the American Association for the Advancement of Science, placed under the charge of the University of Cincinnati, consists at present of 6,000 volumes, for the most part periodical publications of foreign scientific societies.

The Historical and Philosophical Society of Ohio comprises over 30,000 volumes and 69,000 pamphlets, pertaining chiefly to the history of the Ohio Valley, and contains valuable collections of original letters and other manuscripts.

The total number of books, including duplicates, in the Van Wormer Library Building is about 130,000 volumes and 79,000 pamphlets.

To these collections must be added the libraries of departments of the University, situated in other parts of the city. These are:

The Library of the Observatory	4,000 volumes
The Library of the College of Medicine	6,500 volumes
The Library of the Municipal Reference Bureau	600 volumes
and 6,000 pamphlets	
The Library of the College of Law	14,000 volumes
Total	25,100 volumes
and 6,000 pamphlets	

The libraries of the University, excluding those of the Historical and Philosophical Society of Ohio and the American Association for the Advancement of Science, contain 101,000 volumes and 15,000 pamphlets.

The Public Library, the Mercantile Library, and the Lloyd Library and Museum, consisting chiefly of scientific works, as well as the libraries of the Lane Theological Seminary, the Hebrew Union College, the Art Museum, and the College of Music, are open to University students.

GIFTS

1920-1921

ENDOWMENT

Mr. Julius Fleischmann, for scholarships	1,000
Mrs. Mary M. Emery, to the College of Medicine, the income to be used for the maintenance of the B. K. Rachford Department of Pediatrics	250,000

General Education Board, towards a $2,000,000 endowment for the College of Medicine 700,000

Mrs. Emma Mendenhall Anderson, to the College of Medicine, the income to be used for a scholarship in obstetrics, in memory of her father, Dr. George Mendenhall, who for many years was dean in the Miami Medical College 2,000

Mrs. Minnie L. Ransohoff, to the College of Medicine, the fund to bear the name of Dr. Joseph Ransohoff, and the income to be used to promote the study of surgery or surgical anatomy.... 25,000

Mrs. Eleanora C. U. Alms, for the construction of a building.... 200,000

LIBRARIES

Mr. Alexander and Miss Edith R. Hill, library of their father, Alexander Hill. The library is rich in Americana and in books dealing particularly with the early days of Cincinnati and the northwest territory.

Mr. Harry M. Levy, the library of Monsieur Leon de Gisbert, 800 volumes.

Mrs. E. W. Coy, 175 volumes from the library of her husband, E. W. Coy.

Professor Henry Baldwin Ward, seven bound volumes of *Contributions*, from the zoological laboratory of the University of Illinois.

Dr. Robert W. Stewart, to the medical library, a valuable collection of books on medical subjects.

The family of Dr. George B. Orr, to the medical library, a number of volumes on medical subjects.

Mrs. Des Jardins, Mrs. George Eastman, Mrs. Ward Baldwin, Mr. A. O. Elzner, collections of books.

Mrs. Frederick W. Hinkle, the Catholic encyclopedia, 16 volumes.

Messrs. Edward Moulinier and Ernest DuBrul, a Catholic encyclopedia.

Mrs. George W. Eastman, 300 volumes of unbound periodicals and a complete file of the *New York Times* from 1913 to 1920, from the library of her husband, the Reverend George W. Eastman.

Mr. Charles J. Wenderoth, in memory of his wife, Lula A. Wehrman Wenderoth, 200 volumes of French and American literature.

Professor E. W. Hyde, 125 volumes on mathematics and science.

Mrs. Hulbert Taft, 35 unbound periodicals.

Mr. Edward D. Roberts, 200 volumes on education.

Mrs. Robert Kuhn, Sr., a number of booklets on military science and tactics.

Mrs. Mary E. Dandridge, a copy of the rules and regulations of the Cincinnati College, issued in 1819.

Mrs. Charles J. Livingood, a circular giving the prospectus of the Cincinnati College for 1820.

Mrs. Charles Schram, to the Solomon W. Levi Memorial Library, for magazines $125

Mr. Rufus B. Hall, Jr. and Mr. Thorne Baker, books to the library of the College of Law.

Mr. William Strunk, a bound volume of pamphlets concerning the controversy over the removal of the University of Cincinnati to Burnet Woods.

MISCELLANEOUS

The Ohio State Board of Education, for the training of teachers for the trades and industries $17,913

For vocational training in home economics 5,200

United States Government, through the Department of Social Hygiene (interdepartmental board), for the Department of Hygiene and Physical Education $12,000

B'nai B'rith, Victor Abraham Memorial Prize, to be given to any student who shall prepare the best essay on some Jewish subject 50

Major Frank Jones, portrait of himself.

Young Men's Christian Association, hut on campus for student committee purposes.

Young Men's Christian Associations of Virginia, a scholarship for the first semester of 1920-1921.

Dr. M. L. Bates, two engravings.

Mrs. W. P. Burris, a mounted collection of Adirondack ferns.

Mr. Julius Fleischmann, to the College of Medicine, for such needs of the Department of Preventive Medicine as may arise ... $530

Mrs. Bettie Fleischmann Holmes, the entire equipment of the cafeteria in the College of Medicine.

Reverend and Mrs. John B. Van Fleet and St. Stephen's Episcopal Sunday School, in memory of Elmer Hoover Van Fleet, a United States flag, with pole and standard.

The Ault and Wiborg Company, a collection of 85 pictures representing the complete development of the graphic arts.

Mr. Fred A. Geier, three fatigue testing machines.

The Class of 1921, a Rookwood fountain for the Chemistry Building.

Mrs. Bettie Fleischmann Holmes, a portrait of Dr. Christian R. Holmes.

The University of Virginia, a medal commemorating the hundredth anniversary of that university.

The National Tuberculosis Association, to Dr. H. K. Dunham and Dr. K. D. Blackfan, for the promotion of research in tuberculosis $500

The Class of 1920, School of Nursing and Health, to the Nurses' Home, a Rookwood drinking fountain.

Mrs. Eunice Bailey Morris, to that student in the School of Nursing and Health who excels in the ideals of nursing and womanhood $50

The College of Engineering and Commerce was presented with oil paintings to decorate the walls of the classrooms and halls in the Engineering Building by the following:

Mr. Harry M. Levy

The Freshman Commercial Students

The Co-op Club

The Class of 1920

The Students' Tribunal

The Women's Co-operative Club

The Tanners' Council of America has established a leather research laboratory and placed it in charge of the College of Engineering and Commerce. All expenses are borne by the Tanners' Council.

ENDOWMENT FUND ASSOCIATION

The Endowment Fund Association of the University of Cincinnati was incorporated on April 21, 1905, by a number of prominent citizens of the municipality. The purpose of the corporation, as stated in its code of regulations, is "to secure property, including money, or the income from the same, for the use of the University of Cincinnati, and for that purpose to solicit, collect, accept, hold, manage, invest, or pay over such property, money, or income, whether such property, money, or income arises by way of gift, devise, or purchase, for the benefit of said University." Its affairs are managed by a board of trustees consisting of nine members.

PUBLICATIONS

The official publications of the University are as follows:

The University Record.—This publication is issued at intervals during the year and comprises the President's Annual Report, bibliographies of the various faculties, the General Catalogue, and the Announcements of the Graduate School, College of Liberal Arts, Evening Academic Courses, College for Teachers, College of Engineering and Commerce, College of Medicine, School of Nursing and Health, and College of Law.

The University Studies.—This publication is issued in parts and contains the results of research by members of the faculty or by other per-

sons connected with the University of Cincinnati. A price list of these publications may be obtained by addressing the office of the Press.

Student publications of the University are as follows:

THE CINCINNATIAN.—The Cincinnatian is the University annual, and is edited and published by the members of the Junior class.

THE UNIVERSITY WEEKLY NEWS.—This paper is the official student bulletin, and is issued every week during the University year.

THE SCRIBE.—This publication appears four times a year and is literary in tone. The students of the University are the contributors.

STUDENT ORGANIZATIONS

In addition to the Greek letter societies, the following student organizations met regularly throughout the academic year 1920-1921:

Academic Club; American Chemical Society (student section); American Institute of Electrical Engineers (student section); American Society of Mechanical Engineers (student section); Amex Society; Bag and Hammer; Bird Club; Blue Hydra; Braune Civil Engineering Society; Calesidoc; Chemical Engineers Club; Chemists' Club; Cincinnati "C" Club; Committee on Athletics; Co-op Club; Co-op Commerce Club; Co-op Glee Club; Cosmopolitan Club; Debating Council; Drama Circle; El Circulo Hispano-Americano; Evening Commerce Club; Girls' Glee Club; History Club; Hobby-Hour Orchestra; Home Economics Club; Journal Club; Law School Club; Le Cercle Francais; Literary Society; Masonic Club; Menorah Society; Men's Glee Club; Mercurialis Society; Millop Club; Musical Club; Pan-Hellenic Society; Pre-Medic Club; Schola Cantorum; Speakers' Club; Student Council; Ukestra; University of Cincinnati Co-operative Society; Woman's "C" Club; Woman's League; Women's Athletic Council; Women's Co-op Club; Women's Pan-Hellenic Association; Y. M. C. A.; Y. W. C. A.

Most matters of student discipline at the University are controlled by the Student Council, composed of the four class presidents and other representatives chosen by the classes.

The Student Tribunal for Self-Government exists in the College of Engineering and Commerce. It consists of five members—three Seniors and two Juniors.

The Three Arts Club is an organization for young women students of music, painting, and the drama, or public speaking. Saturday meetings and other occasions afford delightful opportunities artistically and socially. The annual dues are $1. Application for membership should be made to Mrs. E. M. Galbraith, 3758 Clifton Avenue. Out-of-town members may live at the Three Arts Club House, 2334 Ashland Avenue, for from $8 to $10 a week.

ALUMNAL ASSOCIATIONS

ALUMNAL COUNCIL

1921

Dr. J. E. Pirrung (College of Medicine)
Dr. W. E. Murphy (College of Medicine)
Judge Robert Pugh (College of Law)
Charles B. Wilby (College of Law)
Alice Donnelly (College of Liberal Arts)
Dr. Arch I. Carson (College of Liberal Arts)
Mrs. Christian Kiechler (College of Liberal Arts)
Richard Paulsen (College of Engineering and Commerce)
William Bodenstein (College of Engineering and Commerce)
Judge Smith Hickenlooper, Chairman (College of Liberal Arts)
Fred K. Hoehler (Executive Secretary)

LIBERAL ARTS ALUMNI ASSOCIATION

Robert Heuck, '13	President
Herman Rogert, '18	Vice-President
Howard L. Bevis, '08	Secretary-Treasurer
Archibald I. Carson, M.D., '87 Frank Raschig, '00 Ralph Holterhoff, '96	Representatives of Athletic Committee

*ASSOCIATION OF ALUMNAE

Mrs. Christian Kiechler, '16	President
Miss Helen Wright, '17	Vice-President
Miss Mary Steiner, '18	Secretary
Miss Elizabeth Hagemeyer, '18	Treasurer
Mrs. Daniel Laurence, '94 Miss Elsie Metz, '02	Directors

ENGINEERING ALUMNI ASSOCIATION

Richard Paulsen, '12	President
William E. Bodenstein, '13	Secretary

COLLEGE OF MEDICINE

This association includes in its membership all the graduates of the Medical College of Ohio, the Miami Medical College, the Laura Memorial

*This association is composed of graduates of the Colleges of Liberal Arts and Engineering and Commerce and the College for Teachers.

College, and the Cincinnati College of Medicine and Surgery. The annual dues of $1.50 may be paid to the treasurer, who will give in return a card of membership.

WALTER E. MURPHY, M.D., '97 President
JULIEN E. BENJAMIN, M.D., '12 Secretary-Treasurer
J. EDWARD PIRRUNG, M.D., '97 ..
SAMUEL IGLAUER, M.D., '98 } Executive Board
JOHN D. SPELMAN, M.D., '11

COLLEGE OF LAW

This association is composed of graduates of the Cincinnati Law School. The present officers are:

CHARLES WILBY, '82 President
OTIS FISK, '99 Secretary-Treasurer

FEES AND EXPENSES

All tuition and fees required from students must be paid in advance and as a condition of registration. Registration shall not be considered as completed until all such payments have been made, and a "late registration fee" shall be added to fees not paid on the days set apart for registration. If fees are not paid promptly, the deans are authorized to exclude students from attendance upon their classes.

Fees are subject to change as conditions necessitate; such changes take effect at once and apply to students already enrolled, unless otherwise specified.

Tuition and fees are not returnable except when withdrawal from the University is caused by sickness or causes which in the judgment of the University authorities are entirely beyond the control of the student. Before application for refund will be considered, it is necessary that the student shall have submitted to the Registrar notice of his withdrawal at the date of such withdrawal. Students withdrawing under discipline forfeit all rights to a return of any portion of their fees.

The full amount of tuition and fees shall be returned to students who fail of admission to the University after same have been paid. In other cases refunds, when allowed, shall be in the following proportions:

During 1st and 2d weeks 80%
During 3d and 4th weeks 60%
During 5th and 6th weeks 40%
During 7th and 8th weeks 20%

After the eighth week no refund shall be allowed, but a credit memorandum may be issued for the total amount of the tuition or fees.

When the right of a student to register as a citizen of Cincinnati is in doubt, he must raise the question at once with the Registrar, and obtain the blank provided for the purpose. He shall then present his case in writing to the proper authorities, who will pass upon the matter. No person can gain residence in Cincinnati by enrolling as a student in the University.

If a student misrepresents himself as a citizen of Cincinnati at the time of registration, he shall be assessed the sum of $10 in addition to the tuition for that semester.

TUITION FEES

In all the colleges except the College of Medicine, if tuition fees are not paid during registration days, but are paid within the two weeks succeeding the last registration day, a penalty of $7.50 is imposed; if they are not paid then, but are paid within the following two weeks, the penalty is $12.50; if they are not paid within four weeks after the last registration day, further attendance upon classes is refused.

Graduate School

Tuition in the Graduate School is free to citizens; students not citizens are charged at the rate of $5 a credit hour a semester.

College of Liberal Arts and College for Teachers

Regular Students

Tuition in the College of Liberal Arts and the College for Teachers is free to regular students who are citizens of Cincinnati.

*All regular students in the College of Liberal Arts and in the College for Teachers who are not citizens of Cincinnati are charged a tuition fee of $150 a year, payable in installments of $75 a semester.

Special and Irregular Students

All special students and irregular students (i.e., students who have satisfied the entrance requirements, but take less than twelve hours a week by special permission) in the College of Liberal Arts and in the College for Teachers, who are citizens of Cincinnati, are charged tuition at the rate of $3 a credit hour a semester, in advance. A credit hour is one hour's work a week carried through a semester or half year. For instance, tuition for a three-hour course would amount to $9 a semester, or $18 a year. If tuition is not paid within one week after the last registration day, an additional fee of $1 is charged; if not paid within four weeks after the last registration day, attendance upon classes is refused.

All special and irregular students in the College of Liberal Arts and in the College for Teachers who are not citizens of Cincinnati are charged tuition at the rate of $5 a credit hour a semester, in advance, i.e., tuition for a three-hour course amounts to $15 a semester or $30 a year.

*Students who entered before September, 1920, and have been in continuous attendance are charged $100 a year, payable in installments of $50 a semester.

Evening Academic Courses

Tuition in the Evening Academic Courses is free (a) to all citizens of Cincinnati; (b) to all teachers* in the public schools of the city, even though they are not citizens of Cincinnati. All other teachers who are not citizens are charged tuition at the rate of $5 a course a year. Non-residents other than teachers are charged tuition at the rate of $5 a credit hour a semester. A credit hour is one hour's work a week carried through a semester or half year. Laboratory fees are charged for courses in the laboratory sciences.

Summer Pre-Medical Courses

Tuition in the Summer Courses is free to citizens of Cincinnati. Students not citizens pay a tuition fee of $25. The laboratory fee in chemistry for each course is $10. A deposit of $10 is required in chemistry to cover the cost of the breakage of apparatus; whatever is left, after deductions for breakage have been made, is returned. The laboratory fee in physics or zoology is $15. There are no other expenses connected with the courses.

Extension Courses

A fee of $5 is charged for admission to *each* winter Extension Course; $10 for *each* summer Extension Course. The laboratory fee for the course in botany is $10.

Home Economics Education

Tuition in the courses in Home Economics Education is free to citizens of Cincinnati and to teachers in the Cincinnati public schools.

*Courses for Teachers**

Teachers enrolled in the Graduate School, the College of Liberal Arts, or the College for Teachers pay the regular library fee of $5 a year. Tuition is free to all teachers in the public schools of Cincinnati. All other resident and non-resident teachers are charged tuition at the rate of $5 a course a year, payable in advance.

Course for Teachers of Art

The fees in the special course for teachers of art are as follows: matriculation fee, $5; tuition fee for students not citizens, $18 (for one year's instruction in psychology and the history of education); laboratory fee, $25 a year; tuition fee, payable at the Art Academy, $25 a year.

†College of Engineering and Commerce

All cooperative students who are citizens of Cincinnati are charged a tuition fee of $150 a year, payable in installments of $100 at the beginning of the first semester and $50 at the beginning of the second semester.

*Librarians or assistants in the Public Library are given the same rates as teachers in the public schools.

†Students who entered before September, 1920, and have been in continuous attendance are charged the tuition, laboratory, and other fees prevailing at the time of their admission to the college.

Students entering at the beginning of the second semester are charged $100.

All cooperative students who are not citizens of Cincinnati are charged a tuition fee of $200 a year, payable in installments of $125 at the beginning of the first semester and $75 at the beginning of the second semester. Students entering at the beginning of the second semester are charged $125.

This includes all fees, but does not include breakage and other returnable deposits.

Evening Commerce Courses

Students in the Evening Commerce Courses who are citizens of Cincinnati are charged $12 a year for each two-hour course, $50 a year for five courses; students not citizens are charged $20 a year for each two-hour course, $75 a year for five courses.

College of Medicine

Regular Students

Students who enrolled between September, 1920, and September, 1921, pay $250 a year until graduation or withdrawal.

Students who enrolled between September, 1918, and September, 1920, pay $200 a year until graduation or withdrawal.

Students who enrolled previously to September, 1918, pay $150 a year until graduation or withdrawal.

If the tuition is not paid during registration days, but within the following three days, $1 additional must be paid, and for each day of delinquency thereafter $.50 is added; if it is not paid within four weeks after the last registration day, further attendance upon classes is refused.

Special, Irregular, Graduate Students

All special students, irregular students (i.e., students who have satisfied the entrance requirements, but who take, by special permission, less than twelve hours of work a week), and graduate students are charged tuition at the rate of $10 a credit hour a semester, in advance. A credit hour is one hour of didactic or three hours of laboratory or clinical work a week carried through a semester or half year. If the tuition is not paid during registration days, but within the following three days, $1 additional must be paid, and for each day of delinquency thereafter $.50 is added; if it is not paid within four weeks after the last registration day, further attendance upon classes is refused.

**Summer Pre-Medical Courses*

School of Nursing and Health

Combined Liberal Arts and Nursing Course

For fees covering the two pre-nursing years in the College of Liberal Arts of the five-year combined liberal arts and nursing course, see page 61.

*See page 62.

During these two years the students are required to pay the same fees as other resident or non-resident students in the College of Liberal Arts.

Owing to the cooperative nature of the three professional years of the five-year combined course, the hospital furnishes tuition and maintenance for the three professional years.

Public Health Nursing Course

Maintenance is not provided for the graduate nurse registered in the public nursing course, and a tuition charge of $50 is made for the eight months.

Special Students

Special students not rendering services in the Cincinnati General Hospital or College of Medicine Dispensary pay tuition at the rate of $5 a credit hour a semester.

COLLEGE OF LAW

Regular Students

The charge for tuition for regular students is $100 a year, the first half payable upon registration, the second half at the beginning of the second term.

Special Students

The tuition fee a year to special students is $15 for a one-hour course; $25 for a two-hour course; $30 for a three-hour course.

Summer School Students

The tuition fee is $15 for a one-hour course; $25 for a two-hour course; $30 for a three-hour course.

LABORATORY FEES

All laboratory fees are payable strictly *in advance.*

A student is not permitted to enter a laboratory course until he presents to the instructor in charge a receipt for the payment of his laboratory fee.

GRADUATE SCHOOL, COLLEGE OF LIBERAL ARTS, COLLEGE FOR TEACHERS

Graduate students taking laboratory courses in the College of Medicine must pay for each course $15 a semester. (This includes surgical anatomy, bacteriology, biochemistry, histology, pathology, pharmacology, physiology.)

Art, $5 a semester

Botany, $10 a semester

Chemistry, $15 a semester; $15 a course a summer term ($10 a course a summer term for pre-medics)

Geology, $5 a semester; $2.50 a semester for a course having but one laboratory period a week

Metallurgy, $7.50 a semester; $7.50 a summer term. (Not required of students taking chemistry.)

Physics, $10 a semester; $5 a semester for a course having but one laboratory period a week; $15 a course a summer term

Psychology, $5 a semester

Zoology, $10 a semester for each course; $15 a course a summer term

Home Economics. See fees indicated in the descriptions of the various courses offered on pp. 163-165. The fees for evening courses which teachers take for professional credit are:

Foods, $6

Clothing, $3

College of Engineering and Commerce

Evening Commerce Courses

Principles of Analytical Accounting	$1 00
Principles of Constructive Accounting	3 00
Advanced Accounting	1 00
Cost Accounting	2 00
Auditing	1 00
Elements of Business Administration	2 00
Principles of Finance	2 00

College of Medicine

Graduate students taking laboratory courses in the College of Medicine must pay for each course $15 a semester. (This includes surgical anatomy, bacteriology, bio-chemistry, histology, pathology, pharmacology, and physiology.)

GRADUATION FEES

All graduation fees must be paid at least two weeks before the day appointed for conferring the degree.

Graduate School

A graduation fee of $10 is charged a candidate for the degree of Master of Arts, and a fee of $20 is charged for the degree of Doctor of Philosophy.

College of Liberal Arts, College for Teachers, College of Engineering and Commerce, School of Nursing and Health

The fee for an undergraduate degree or diploma is $5.

College of Medicine

Students who receive the degree of Doctor of Medicine are charged a diploma fee of $20.

MISCELLANEOUS FEES

Combination Courses.—Regular students enrolled in the Graduate School, the College of Liberal Arts, or in the College for Teachers may elect in the College of Medicine courses for which they receive credit in their own college without the payment of additional tuition to the College of Medicine. They must, however, pay the usual laboratory fees.

Special students in the College of Liberal Arts and the College for Teachers who elect in the College of Medicine courses for which they receive credit in their own college are charged tuition at the rate an hour charged by the college in which the credit is received. They must, in addition, pay the usual laboratory fees charged by the Medical College.

In the combined arts and legal course of six years the student must pay tuition to the College of Law at the rate of $100 a year for three years; but he need not pay tuition for studies pursued in the College of Liberal Arts, provided he be a citizen of Cincinnati. If he is not a citizen he must pay tuition in the College of Liberal Arts at the rate of $5 a credit hour, or a maximum of $50 a semester.

Students in the College of Liberal Arts, who are citizens of the city of Cincinnati and elect any work whatsoever in the College of Engineering and Commerce, are charged the full tuition of $150. Students not citizens are charged $200 a year.

Regular students in the College of Medicine may elect in the College of Liberal Arts and the College for Teachers courses for which they receive credit in their own college, without the payment of additional tuition. They must, however, pay the usual laboratory fees.

A regular student in the College of Law pursuing other than the six-year combined arts and legal course and electing work in the College of Liberal Arts, must pay tuition in the College of Liberal Arts at the rate of $3 a semester hour, if he be a citizen of Cincinnati; and $5, if not a citizen.

Special students who are taking courses in any college for professional purposes must pay the usual rate of tuition charged by the college in which credit is received.

Gymnasium.—A gymnasium fee of $5 a year ($2.50 a semester) is charged all students in the College of Liberal Arts and in the College for Teachers who take more than six hours of work a week, and all students in the Graduate School who elect twelve hours of work a week.

A fee of $5 a year ($2.50 a semester) is charged all students in the University, members of the faculty, and alumni who desire to avail themselves of the privileges of the gymnasium and swimming pool.

In the special day classes in swimming or gymnasium, for which no credit is given, alumni and other persons pay as follows: citizens. $3 a course a semester; students not citizens, $5 a course a semester. In addition, these students pay the regular gymnasium fee of $2.50 a semester. Thus the total cost a semester is $5.50 for citizens and $7.50 for students not citizens.

CONTINGENT.—A contingent fee of $10 a year ($5 a semester) is charged all regular students in the College of Liberal Arts and in the College for Teachers, who are not citizens of Cincinnati, and all students in the Graduate School taking twelve hours of work a week, who are not citizens of Cincinnati; a fee of $5 ($2.50 a semester) is charged all special or irregular students in those colleges who are not citizens of Cincinnati and who take more than six and less than twelve hours of work a week.

LIBRARY.—All students in the Graduate School, the College of Liberal Arts, the College for Teachers, and the Evening Academic Courses, must pay a library fee of $5 a year at the opening of the session.

LATE REGISTRATION.—Students who apply for registration or submit schedules of study on days other than those designated are required to pay a fee of $1.

STUDENT ACTIVITY.—All regular day students in all the colleges of the University must pay a student activity fee of $10 a year, full amount payable the first semester, with the following exception. It is optional for students in the professional schools who have received an undergraduate degree.

SPECIAL EXAMINATIONS.—A fee of $5 is charged for each supplemental examination for the removal of a condition; a fee of $1 is charged for each supplemental examination for the removal of an "absence" mark. These fees must be paid even though the conditions are removed without supplemental examinations. Every candidate who applies for the removal of a condition must present to the head of the department in which the condition occurred a receipt showing that the candidate has paid the fee, before the said head of department may report the removal of a condition to the Registrar.

A fee of $5 is charged for entrance examinations on days other than those specified in the calendar.

ANESTHETICS.—The fee for this course is $250 a year, payable in advance. No fee is charged students who have paid tuition nor interns in the Cincinnati General Hospital.

HOSPITAL.—The hospital requires the payment of a fee of $10 of all Senior medical students registered under the state law who attend hospital clinics or courses.

MICROSCOPE.—Each student must own a microscope approved by the professor of the department, or he may rent one from the college, at a cost of $2.50 a semester.

STATE ENTRANCE CERTIFICATE.—Candidates for the diploma of Graduate Nurse pay a fee of $3 for the State Entrance Certificate required and issued by the State Medical Board.

DEPOSITS

Engineering Breakage.—All engineering students (except Freshmen who are registered in chemistry laboratory) are required to make a deposit of $5, payable at the beginning of the first semester. At the end of the school term the student may, upon presentation of his receipt, receive the difference between his deposit and the breakage incurred.

Chemistry Breakage.—An initial breakage deposit of $10 is required of every student who registers for a laboratory course in chemistry. Furthermore, a $5 breakage deposit is required of all upper classmen (students not Freshmen) for each additional semester or summer term of laboratory work in the same school year. If a student surrenders his laboratory outfit at the end of any semester or term, an initial breakage deposit of $10 will be required when the student again registers for a laboratory course in chemistry.

Five dollars of this initial breakage deposit must be kept permanently upon deposit until all accounts with the Department of Chemistry have been settled. For the remaining $5 a coupon-ticket is issued to the student, with which supplies and apparatus may be obtained at the chemistry storeroom. Should this coupon-ticket become exhausted, the student must purchase a new ticket ($5) before further supplies will be issued to him at the storeroom.

A breakage deposit of $5 is required of all students who register for a metallurgy laboratory course, except students who have paid the regular $10 breakage deposit for chemistry, and Sophomore engineering students who have paid the engineering breakage deposit of $5.

*Locker.—A deposit of $1 must be made for the use of a locker; of this amount 25c is retained by the University for each year's use of the locker. A student who has already made a deposit of 50c must make an additional deposit of 50c. A locker may not be transferred from one student to another.

Army Uniform.—A deposit of $15 or a surety bond satisfactory to the University authorities is required of all students who receive a United States Army uniform. This is to guarantee the return of the uniform in as good condition as received, except for ordinary wear and tear.

Medicine Breakage.—A deposit fee of $10 is required of each medical student at the opening of each session as a guarantee against breakage of apparatus, instruments, furniture, etc., to be renewed by each student whenever the breakage or damage amounts to $10. Each student is charged for loss for which he is individually responsible and for his pro rata share of such damage or loss for which the responsibility cannot be individually placed. The balance of this deposit, after deductions for damage have been made, is returned at the end of the year.

*Locker deposit for engineering and commerce students is $1.25.

Graduate students taking laboratory courses in the College of Medicine must make a breakage deposit of $10.

NURSING BREAKAGE.—Candidates for the diploma of Graduate Nurse pay a breakage deposit of $10. The hospital furnishes maintenance.

EXPENSES

	Graduate Liberal Arts or Teachers	Engineering and Com.	Medicine	Commerce (Evening)	Home Economics	Law
Tuition:						
Res.	*	$150	$250	$ 50		$100
Non-Res.	$150	200	250	75	$150	100
Library Fee	5 00			5 00	5 00	
Gym. Fee	5 00				5 00	
Contingent Fee Non-Res.						
Reg.	10 00			5 00	10 00	
Spec.					5 00	
Irreg.	5 00					
Even.						
Student Activity Fee	10 00	10 00	†10 00		10 00	†10 00
Lab. Fees	**			$ 1 to $13	$10 to $20‡ $ 5 to $10§ 40¶	
Books	$20 to $25	$45	$45 to $60	$20 to $25	$10 to $15	$20 to $40
Board and Room, a week	$6 to $8	$6 to $8	$6 to $8	$6 to $8	$6 to $8	$6 to $8
Total Expense a year	$325 to $485	$500 to $600	$425 to $550	$275 to $400	$325 to $425	$86 to $108

*Tuition in the Graduate School, the College of Liberal Arts, and the College for Teachers is free to residents of Cincinnati. Non-residents in the Graduate School pay $5 a credit hour a semester.

**Laboratory fees vary according to the courses taken.

‡Foods laboratory fees.

§Textile laboratory fees.

¶Science laboratory fees.

†Optional for professional students having undergraduate degrees.

THE GRADUATE SCHOOL

FACULTY AND INSTRUCTORS

FREDERICK CHARLES HICKS, PH.D. President of the University
JERMAIN GILDERSLEEVE PORTER, PH.D. Director of the Observatory and Professor of Astronomy
HARRIS HANCOCK, PH.D., SC.D. Professor of Mathematics
JOHN MILLER BURNAM, PH.D. Professor of Latin and Romance Palaeography
MAX POLL, PH.D. Professor of the Germanic Languages
*MERRICK WHITCOMB, PH.D. Professor of History
LOUIS TRENCHARD MORE, PH.D. Professor of Physics and Dean of the Graduate School
BURTIS BURR BREESE, PH.D. Professor of Psychology
WILLIAM PAXTON BURRIS, A.M., L.H.D. Professor of Education
*STEPHEN ELMER SLOCUM, B.E., PH.D. Professor of Applied Mathematics
NEVIN M. FENNEMAN, PH.D. Professor of Geology and Geography
GUY ALLAN TAWNEY, PH.D. Professor of Philosophy
FRANK WADLEIGH CHANDLER, PH.D. Professor of English and Ropes Professor of Comparative Literature
PHILLIP OGDEN, PH.D. Professor of Romance Languages
MARTIN H. FISCHER, M.D. Joseph Eichberg Professor of Physiology
HENRY MCELDERRY KNOWER, PH.D., Francis Brunning Professor of Anatomy
HARRIS MILLER BENEDICT, PH.D. Professor of Botany
SELDEN GALE LOWRIE, PH.D. Professor of Political Science
WILLIAM BUCHANAN WHERRY, A.B., M.D. Professor of Bacteriology and Hygiene
ALFRED LAWRENCE HALL-QUEST, A.M. Professor of Education
GUSTAVE MAURICE BRAUNE, C.E. Professor of Civil Engineering
HARRY SHIPLEY FRY, PH.D. Professor of Chemistry and Director of the Chemical Laboratory
HARRY LEWIS WIEMAN, PH.D. Professor of Zoology
EDWARD F. MALONE, A.B., M.D. Professor of Histology
ALEXANDER LEWIS JENKINS, M.E. Professor of Mechanical Engineering
ALBERT PRESCOTT MATHEWS, PH.D. Professor of Biochemistry
SAMUEL JAMES MCINTOSH ALLEN, PH.D., Professor of Experimental Physics
CLAUDE M. LOTSPEICH, PH.D. Professor of Comparative Philology, Department of German
FRANK K. SECHRIST, PH.D. Professor of Education
ROBERT CLYDE GOWDY, PH.D. Professor of Physics, College of Engineering and Commerce
HENRY MAX GOETTSCH, PH.D. Professor of Inorganic Chemistry

*Absent on leave, 1920-1921

WILLIAM TUNSTALL SEMPLE, PH.D. Professor of Classics
REGINALD CHARLES MCGRANE, PH.D. ... Professor of History, College of Engineering and Commerce
RICHARD SISSON AUSTIN, M.D. Professor of Pathology
CHARLES NAPOLEON MOORE, PH.D. ... Associate Professor of Mathematics
CLARENCE DIMICK STEVENS, A.M. Associate Professor of English
HENRY G. HARTMAN, PH.D. Associate Professor of Philosophy
CLARENCE ORAN GARDNER, PH.D. ... Associate Professor of Political Science
EARL FREDERICK FARNAU, PH.D., Associate Professor of Organic Chemistry
RALPH EDWARD OESPER, PH.D., Associate Professor of Analytical Chemistry
SHIRO TASHIRO, PH.D. Associate Professor of Biochemistry
EDMUND M. BAEHR, M.D. Associate Professor of Physiology
CLARENCE JAMES FOREMAN, M.S., A.M., PH.D. Associate Professor of Economics
ORVILLE TURNER WILSON, PH.D. Associate Professor of Botany
BEVERLEY BOND, JR., PH.D. Associate Professor of History
EVERETT IRVING YOWELL, PH.D. Associate Professor of Astronomy
CAREY P. MCCORD, M.D. Associate Professor of Preventive Medicine
HENRY ROBINSON SHIPHERD, PH.D. Assistant Professor of English
WALTER H. BUCHER, PH.D. Assistant Professor of Geology
OTTO CHARLES VON SCHLICHTEN, A.B. Assistant Professor of Geology
ERNEST LYNN TALBERT, PH.D. Assistant Professor of Psychology
HUBERTIS MAURICE CUMMINGS, PH.D. Assistant Professor of English
EDWARD C. DAY, PH.D. Assistant Professor of Zoology
MERTON JEROME HUBERT, A.M., Assistant Professor of Romance Languages
LEONORA NEUFFER, PH.D. Assistant Professor of Chemistry
WILLIAM A. CROWLEY, PH.D. Assistant Professor of Philosophy
IRVING H. BROWN, PH.D. Assistant Professor of Romance Languages
SELBY FRAME VANCE, A.M., D.D., LL.D. ... Lecturer on Biblical Literature
HELEN A. STANLEY, A.M. Instructor in English
E. LUCY BRAUN, PH.D. Instructor in Botany
LOUIS A. PASSARELLI, A.M. Instructor in Romance Languages
FLOYD ELDON BEGHTEL, A.M. Instructor in Botany
CLARENCE A. MILLS, PH.D. Instructor in Biochemistry
WILLARD AUSTIN KINNE, A.B. Instructor in Romance Languages
WALTER C. PHILLIPS, PH.D. Instructor in English
RAYMOND CHAMBERS, A.M. Instructor in History
CHARLES MURDOCH DISERENS A.M. Instructor in Psychology
HAROLD FREDERIC RICHARDS, PH.D. Instructor in Physics
MIRIAM B. URBAN, A.M. Instructor in History
HOWARD L. BEVIS, A.B., LL.B., S.J.D. Instructor in Economics
FRANK J. ANDRESS Instructor in Hygiene

ADMISSION

Admission to the Graduate School is granted to holders of a Bachelor's degree conferred by the University of Cincinnati, and to those who present documentary evidence of having received such a degree from other institutions whose requirements are substantially equivalent. Admission to the Graduate School does not, however, signify candidacy for an advanced degree.

Properly qualified students, when duly registered, may, with the approval of the heads of the departments concerned, be admitted as auditors to courses of study. No work taken by auditors may under any circumstances be counted towards a degree.

FELLOWSHIPS, SCHOLARSHIPS, AND PRIZES

The D. A. R. Fellowship in American History was established in 1900 by the Daughters of the American Revolution. It yields an income of $100 a year.

The Hanna Fellowship in Physics was established by Mrs. Henry Hanna and Miss Mary Hanna in 1906. Its value is $500 a year, in addition to exemption from the payment of tuition and laboratory fees.

The Ten Baldwin Fellowships, each amounting to $500 in addition to exemption from the payment of tuition and laboratory fees, have been provided by the Francis Howard Baldwin bequest. For further information apply to the Dean of the Graduate School.

The Du Pont Scholarship, of $350, was offered for the session 1920-1921 by the E. I. Du Pont de Nemours Company. The recipient was required to do graduate work in chemistry or chemical engineering.

The Alliance Française Scholarship, of $300, was established in 1904 by the Alliance Française of the city of Cincinnati. It is awarded to the student in the Department of Romance Languages showing the greatest proficiency in French. The successful candidate is required to attend the summer course of instruction given by the Alliance Française in Paris.

The Armstrong-Hunter Memorial Fund, valued at $1,000, was established in 1910 in memory of Miss Sarah J. Armstrong and Miss Clara Hunter, by eighty of their former pupils. This fund has been used to found a scholarship in the Department of English Literature in the Graduate School, for a woman who is a graduate of the University.

Rhodes Scholarships.—Men who have completed their Sophomore year at the University of Cincinnati are eligible to compete for the Cecil Rhodes Scholarships, tenable for three years at Oxford University, England, with a stipend of $1,500 each year. These scholarships are awarded on the combined basis of character, scholarship, athletics, and leadership in

extra-curriculum activities. Further information may be obtained from any member of the Rhodes Scholarship Committee of Selection for Ohio; Chairman, President W. O. Thompson, Ohio State University, Columbus, Ohio; Professor B. E. Schmitt, Western Reserve University, Cleveland, Ohio; Cary R. Alburn, Esq., Attorney, Garfield Bank Building, Cleveland, Ohio; Secretary, Professor Leigh Alexander, Oberlin College, Oberlin, Ohio.

In addition to the above, the University offers ten scholarships in several departments which exempt their holders from the payment of tuition fees. Applications should be addressed to the Dean of the Graduate School.

For the fellowships, scholarships, and prizes of the various colleges, consult their several Announcements.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

Completion of the requirements for the Master's degree requires at least one full year's residence in the Graduate School. Acceptance in candidacy for the degree of Master of Arts shall be determined by the Advisory Committee not later than the beginning of the last semester of work. When a student's college training has been defective, or when he is registered in a professional school, engaged in teaching, or otherwise occupied so that he cannot devote his entire time to his work, the Advisory Committee shall determine how much, if at all, the one-year period should be increased.

A student desiring to become a candidate for this degree shall designate, at the time of his admission to the Graduate School, the subjects and courses which he elects to study, and shall at the same time obtain approval of his election from his Adviser (the head of the department in which he elects his major work). The student must then satisfy the Dean of the Graduate School that the courses he has elected have been approved by the heads of the departments concerned.

The courses offered for the degree of Master of Arts shall represent not less than twenty-four credit hours of graduate instruction, of which at least twelve shall be in the major subject. In case the candidate elects a major in the same department in which he has completed a major in fulfilment of the requirements for a Bachelor's degree, he may, under the direction of his Adviser, elect sufficient work in some allied department to complete the twelve credit hours. No credit is given for a course in which the student does not receive a record of "Satisfactory."

Each candidate for the Master's degree must present a thesis on a subject approved by his Adviser. The title of this thesis shall be submitted to the Dean at least six months before the degree is conferred.

The thesis must be typewritten on regulation paper and be filed with the Dean before the close of the final semester of graduate study, together with a certificate of approval from the student's Adviser. The date for submitting the thesis is determined by the Adviser.

Candidates for the degree of Master of Arts are required to pass an oral examination before a committee of the faculty.

Degrees will not be conferred *in absentia*, except by special permission from the President.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

For the Doctor's degree three years of graduate study will ordinarily be required. In cases where the student's college training has been defective or he cannot devote his whole time to the work, the period of study will be longer than three years. At least the last year of study must be spent in residence at the University of Cincinnati. Students may be permitted to count for the Doctor's degree work done for the Master's degree, provided that such work is satisfactory in character.

A candidate for the Doctor's degree shall designate at the time of his admission to the Graduate School three subjects which he desires to pursue. These are known as a major and two minor subjects, not more than two of which shall be selected in one department. The candidate shall satisfy the Dean of the Graduate School that his selection has received the approval of the heads of the departments in which the courses have been selected. These heads of departments, together with the Dean of the Graduate School, constitute an advisory committee, under whose direction the candidate shall pursue his graduate course.

A candidate for the Doctor's degree is expected to be able to read French and German. In order to receive the degree he must have completed satisfactorily such courses as shall be prescribed by his Advisory Committee, representing not less than forty-eight units of instruction embodied in a major and two minor subjects, thirty units of which must be given to the major subject, and must have passed such written examination on his major and minor subjects as the Advisory Committee may indicate and an oral examination before the faculty. The statement of the number of units required for the Doctor's degree is to be taken as a minimum requirement. The degree is given, not as a result of the completion of a certain number of units of study, but on the basis of long study and scientific accomplishment. No credit is given for a course in which the student does not receive a record of "Satisfactory."

The candidate is furthermore required to present, in such form as the Advisory Committee may determine, a thesis which gives evidence of high attainment and power of independent research. The thesis must be accepted before the candidate is allowed to take his final examinations.

All theses offered for the Doctor's degree must be filed with the Dean not later than six weeks before the close of the final semester of graduate study. Moreover, each student is required to deposit in the University library one hundred printed copies of his thesis. If the thesis is published in a journal approved by the candidate's Advisory Committee, ten printed copies may be deposited in the library. The candidate may receive his diploma before the thesis is printed, provided a typewritten copy is deposited with the Librarian and the sum of $50 with the Registrar of the University. This sum will be returned upon the presentation to the library of the required number of printed copies of the thesis.

Degrees will not be conferred *in absentia*, except by special permission from the President.

ADMISSION TO ADVANCED STANDING

Work done at other universities may be accepted as an equivalent for part of the work required for a graduate degree. All claims for such credit, together with all claims for advanced standing, must be filed with the Dean of the Graduate School within three weeks after the student enters upon his work at the University or resumes his work after a leave of absence for the purpose of carrying on work at another university.

At least twelve credits of the twenty-four required for the Master of Arts degree must be obtained by work done in residence at the University of Cincinnati.

INSTRUCTION

The work of each candidate for a degree shall be under the direction of an advisory committee, composed of the Dean and of the heads of the departments in which the work is taken.

The unit of instruction is one period a week for one semester.

Graduate students will receive no credit towards a degree of Master of Arts or Doctor of Philosophy for courses which are not of an advanced character. All courses for which credit is expected must be listed in the catalogue of the Graduate School. Supplementary work must be specified in courses which are intended primarily for advanced undergraduate students; otherwise, but half credit will be allowed.

While the nature of the students' work may vary in the subjects selected, it is understood to require a regular attendance at class meetings or in the laboratory, and shall not be in any respect of that character of work known as *in absentia*. No credit will be given towards a graduate degree for work done prior to the conferring of a Bachelor's degree or its equivalent.

SPECIAL ARRANGEMENTS

With the approval of the Dean of the Graduate School and their Advisers, candidates may submit the following courses taken in the Lane Theological Seminary and in the collegiate department of the Hebrew Union College in partial fulfillment of the requirements for the Master of Arts degree. Not more than twelve units may be so counted.

LANE THEOLOGICAL SEMINARY

3. Old Testament History (2 credits). Dr. Farr
5. The Psalms (2 credits). Dr. Farr
6. The Prophets (2 credits). Dr. Farr
4. Old Testament Thought (2 credits). Dr. Farr
13. Messianic Prophecy (2 credits). Dr. Farr
1. Ancient and Medieval History (4 credits). Dr. Stephens
2. Reformation History (4 credits). Dr. Stephens
3. Modern History (4 credits). Dr. Stephens

HEBREW UNION COLLEGE

1. Biblical Literature
2. Rabbinical Literature
3. Jewish Philosophical Literature

For detailed description of above courses, see catalogue of the Hebrew Union College.

COURSES OF INSTRUCTION

1920-1921

Courses in the Graduate School extend throughout the year, unless designated by "a" (first semester) or "b" (second semester).

ANATOMY

The number of graduate students admitted to these courses will, at present, be limited. Evidences of necessary preliminary preparation and fitness must be submitted to the professors in charge of courses.

102. Histology and Organology.—A macroscopic and microscopic analysis of the structure of the body. Course 2 of the medical schedule modified through collateral reading and experiments to adapt it to the special needs of candidates for graduate degrees. It is desirable that this course be taken with Course 104. If this should not be done, students will still be expected to secure a fair grasp of the gross features of parts, as well as of the finer microscopic details. (a) M., W., Th. afternoons; (b) W. and F. afternoons for the first 12 periods. Six credit hours. Dr. Malone

103. Neurological Anatomy.—Gross and microscopic structure of the nervous system, involving a study of the mechanisms which underlie its functions. (b) The last 20 periods of the semester, W. and F. afternoons. Course 3 of the medical schedule modified. Two credit hours. Dr. Malone

104. Human Anatomy.—Study of the human body in the dissecting room. Course 4 of the medical schedule modified through conferences, collateral reading, drawing, etc., to adapt it to the special needs of candidates for graduate degrees. Graduate students must have had a course in elementary vertebrate embryology. (a) Tu., Th., F., and S. mornings. Six credit hours. (b) Tu., Th., F., S. mornings and M. afternoon. Seven credit hours. Dr. Knower

The above may be taken as minors. Graduate students who wish to major in anatomy (including histology, neurology, etc.) must first take Courses 2, 3, and 4 or 102, 103, 104, as prerequisites.

105. Research or Special Studies.—Arrangements for work in aspects of human anatomy, embryology, histology, or comparative and experimental lines not covered in the above courses may be made through the head of the department. Dr. Knower, Dr. Malone

ASTRONOMY

No courses were given during the session 1920-1921.

BACTERIOLOGY AND HYGIENE

The work is done on two floors of the pathologic institute. One of these is devoted to a student's laboratory and special research rooms, and a second (top floor) to special operating rooms and quarters for animals. As the central bacteriological laboratory of the hospital, the department has access for teaching purposes to everything dealing with the problem of communicable diseases which comes up in the hospital. As far as possible the medical aspects of bacteriology and animal parasitology are taught by making the student study material obtained from the wards and post-mortem rooms of the hospital.

101 and 102. General Bacteriology and the Animal Parasites of Man.—The production of disease and the relation of bacteriology to personal and public hygiene. The more important protozoa, helminths, and insects concerned in the cause and transmission of disease are studied. *First semester*, 174 hours, 5 credit hours.
Dr. Wherry, Mr. McKhann

103. Advanced Bacteriology.—Open to qualified students who wish to work on special aspects of bacteriology. Dr. Wherry

104. Research Work.—Open to specially qualified students.
Dr. Wherry, Dr. McCord

105. Lectures on Hygiene.—The personal and the municipal hygiene of transmissible diseases. *Second semester*, 16 hours, 1 credit hour.
Dr. McCord, Mr. Andress

106. Practical Hygiene.—A laboratory course accompanying Course 105. *Second semester*, 112 hours, 2 credit hours.
Dr. McCord, Mr. Andress

107. Graduate Work in Bacteriology and Parasitology.—Open to any qualified person working for a graduate degree, or to those wishing to perfect themselves in some special line of work.
Drs. Wherry, McCord

108. Seminar.—Open to graduate and medical students. Special topics are assigned and the current literature reviewed. Saturday afternoons. One credit hour.

BIBLICAL LITERATURE

107a. First Principles of Biblical Literature.—For graduate credit a thesis on an assigned topic is required. Tu., Th., 11:30-12:30.
Mr. Vance

108b. Epic Literature.—For graduate credit a thesis on an assigned topic is required. Tu., Th., 11:30-12:30. Mr. Vance

BIOCHEMISTRY

For Graduates and Undergraduates

101a. Chemistry of the Cell, Digestion, and Urine.—Lecture and recitation. Three credit hours. M., W., 8:30-9:30; F., 11:30-12:30. Mr. Mathews

102a. Chemistry of the Cell, Digestion, and Urine.—Practical work. Three credit hours. M., W., 9:30-12:30; F., 1:15-4:15. Mr. Mathews, Mr. Tashiro

Primarily for Graduates

104b. Internal Secretions.—For medical and graduate students. One credit hour. F., 3:00-4:00. Mr. Mathews

105b. Advanced Quantitative Methods of Analysis of Blood and Urine.—Six or 12 hours a week. Two, 3, or 6 credit hours. Tu., Th., 1:30-4:30. Mr. Tashiro, Mr. Mills

Prerequisite: Courses 1, 2, or equivalent

106. Physico-Chemical Methods of Biochemistry.—Conferences and laboratory 6 or 12 hours a week. Three or 6 credit hours. Mr. Tashiro

107. Research. Mr. Mathews, Mr. Tashiro, Mr. Mills

108. Seminar.—Open to graduate and medical students. Fifteen hours. One credit hour. Department staff

BOTANY

To pursue advanced courses in botany the student should have some training in physics and chemistry, and should be able to read French and German. Special facilities are afforded students pursuing courses of research.

Requirements for Degrees

To enter upon work for the degree of Master of Arts in botany, students must have completed Courses 1, 2, 3, 4, 5, 6a, 6b, 16a, 16b, 18, or their equivalents. (See Announcement of the College of Liberal Arts.) Courses "For Undergraduates and Graduates" may be counted as graduate subjects towards the degree of Master of Arts by students who have elected majors in other departments. When botany is chosen as a minor for the degree of Doctor of Philosophy, the work required approximates that of the full course for the degree of Master of Arts in botany. The requirements for a higher degree, when botany is chosen as a major subject, are adequately stated under the general requirements for degrees (pages 73, 74).

For Graduates and Undergraduates

A thesis is required of all graduates who enroll in courses open to undergraduates.

105. Systematic Botany.—One lecture with one laboratory or field period of work a week on the local plants. Miss Braun
Prerequisite: Courses 1 and 2

106a. Plant Pathology.—The causes, symptoms, and prevention of plant diseases. Lec., Tu., 8:30; lab., Tu., Th., 8:30-11:30. Mr. Wilson

106b. Bacteriology.—Study of the physiology and morphology of bacteria. Lec., Tu., 8:30; lab., Tu., Th., 8:30-11:30. Mr. Wilson

110. Plant Breeding.—A course in heredity and its application to the development of improved varieties of cultivated plants. M., W., 11:30-12:30 Mr. Benedict
Prerequisite: One year of either botany or zoology

116a. Plant Histology.—Lec., M., 1:00-2:00; lab., M., W., 1:00-4:00.
Prerequisite: Two years' work in botany Mr. Beghtel

116b. Plant Cytology.—Lec., M., 1:00-2:00; lab., M., W., 1:00-4:00.
Prerequisite: Course 116a Mr. Beghtel

117. Special Problems.—One, two, or three credits. Instructor according to problem chosen.
Prerequisite: Three years' work in botany

118. Plant Physiology.—Open to Seniors and graduate students in botany. Two lectures a week. Mr. Benedict

Primarily for Graduates

120. Current Problems in Botany.—Reviews of recent researches. One or two credit hours. Mr. Benedict
Prerequisite: Courses 1, 2, 3, 4, 5, 6a, 6b, 16a, 16b, 18

121. Research.—Credit according to number of hours elected. Mr. Benedict, Mr. Wilson, Miss Braun

CHEMISTRY

Special Requirements for Higher Degrees

The Degree of Doctor of Philosophy

A. Chemistry as the Major Subject.—All candidates who make chemistry their major subject in the Graduate School must have completed the following courses or their equivalents (see Announcement of the College of Liberal Arts): 1a, 2a, 3b, 4b, 5a, 6a, 7a, 7b, 8b, 9b, 12a, 13a. In addition to these requirements, students who specialize in a certain branch of

chemistry must complete the advanced courses required in connection with the elected branch. The completion of the prerequisite and the elected courses, however, does not satisfy the requirements to be fulfilled by the candidate for a higher degree: he must show a maturity acquired by personal intimacy with the literature and methods of chemistry.

Each candidate for an advanced degree must take an active part in chemistry seminar during his graduate residence.

B. Chemistry as the Minor Subject.—It is not possible to state precisely those courses which may be required in each particular case. The choice will be made after consultation with the head of the department in which the major work falls. The usual minimum requirements are Courses 1a, 2a, 3b, 4b, 5a, 6a, 7a. If the candidate has chosen one of the physical sciences as his major subject, Courses 12a and 13a (one semester) are required; if one of the biological sciences has been made the major subject, Courses 8b and 9b are taken.

The Degree of Master of Arts

A candidate for the Master's degree must present a thesis embodying the results of some experimental work, or a written account in some detail of a subject suggested by the instructor under whose direction the student has been placed.

For Graduates and Undergraduates

Graduate students who register for Courses 110a–124b are required to complete additional assignments of a more advanced character than those required of undergraduates.

110a. Advanced Inorganic Chemistry.—Tu., Th., 8:30-9:30. Mr. Fry

111. Inorganic Preparations.—*First or second semester.* Mr. Oesper

112a. Physical Chemistry.—M., W., F., 10:30-11:30. Mr. Feusse

113a. Physical Chemistry, Laboratory.—F., 1:00-4:00; S., 8:30-11:30. Mr. Farnau, Mr. Feusse

119a. Intermediate Organic Chemistry.—M., W., F., 9:30-10:30. Miss Neuffer

132b. Electro-Chemistry.—M., W., F., 10:30-11:30. Mr. Feusse

133b. Electro-Chemistry, Laboratory.—F., 1:00-4:00; S., 8:30-11:30. Mr. Farnau, Mr. Feusse

134a. Chemistry of Colloids.—Three lectures a week. Mr. Oesper

128. Ultimate Organic Analysis. Mr. Oesper

120b. Advanced Organic Chemistry.—M., W., F., 9:30-10:30. Miss Neuffer

121. Advanced Organic Chemistry, Laboratory.—Credit according to number of hours elected. Mr. Farnau

124b. History of Chemistry.—Three lectures a week. Mr. Fry

Primarily for Graduates

130. Research.—Problems for investigation may be chosen from the following: organic chemistry (130A), inorganic chemistry (130B), physical chemistry (130C), industrial chemistry (130D), or metallurgy (130E). Mr. Fry, Mr. Goettsch, Mr. Oesper, Mr. Farnau

During the summer of 1920 students engaged in research were permitted to enroll in the Graduate School.

140. Seminar.—M., 4:00. Mr. Fry

CIVIL ENGINEERING

124. Advanced Research Work

CLASSICS

Greek

106. Subject to be chosen by conference. Three hours. Mr. Semple

Latin

110. Latin Seminar.—Three hours. Mr. Burnam

The seminar considers Caesar, Cicero, and Vergil in this order. Author used in 1920-1921 was Vergil.

112. Conference Course.—Three hours. Mr. Semple

ECONOMICS

(The Sinton Professorship)

For Graduates and Undergraduates

In the following courses additional reading and reports are required of graduate students.

115a. Transportation.—M., W., F., 10:30-11:30. Mr. Foreman

118b. Foreign Trade Policies.—M., W., F., 10:30-11:30. Mr. Foreman

119a. Money and Banking.—M., W., F., 9:30-10:30. Mr. Foreman

120b. Monopolies and Trusts.—M., W., F., 9:30-10:30. Mr. Foreman

117a. Socialism.—Tu., Th., 2:00-3:00. Mr. Bevis

116b. Labor.—Tu., Th., 2:00-3:00. Mr. Bevis

131. Statistics.—M., 5:00-7:00. Mr. Foreman

Primarily for Graduates

112. History of Economic Theory.—Twice weekly. Mr. Foreman

121. Seminary.—Twice weekly. Mr. Foreman

123. Research.—Credit according to number of hours elected. Mr. Foreman

EDUCATION

Those candidates for graduate degrees who intend to become instructors in education, and those who wish to qualify for supervisory or administrative positions in schools, may elect education as the major subject; other graduate students may elect education as a minor, subject to the approval of the head of the department in which the candidate's major subject is chosen.

Subject to the approval of the instructor in each case, graduate courses in education are open also to teachers who are prepared to pursue such courses in a satisfactory manner, even though such teachers be not candidates for a graduate degree.

A candidate for a graduate degree who elects education as a major ubject must have had approved undergraduate courses in education and psychology, and will be required to take Education 101. Beyond these requirements the candidate's elections are subject to the approval of the instructors in education.

101. Studies in History and Philosophy of Education.—From time to time this course will be devoted to a critical study of modern educational theories contained in the writings of educators whose influences are felt in current educational opinion and practice. A thesis is required. Th., 4:00-5:30. Mr. Burris
1920-21. Froebel and Dewey

103. Secondary Education.—Function of the high school; programs of study; curriculum making; lesson types; place of high school in American education; the high school teacher; pupil management; educational significance of the various studies. Tu., 4:00-6:00. Mr. Hall-Quest

104. The Problems of English in the Secondary School.—A consideration of the principles underlying courses in oral and written composition and literature. S., 8:30-10:30. Mr. Hall-Quest

107. School Supervision.—Open to principals, assistant principals, and teachers of experience. A thesis is required. Tu., 4:00-5:30. Mr. Burris

109a. The Junior High School Movement.—A study of the historical development of the junior high school; types of junior high schools; administrative problems; curriculum making; unsolved problems; general meaning. W., 4:00-6:00. Mr. Hall-Quest

109b. The Psychology and Supervision of Study.—A consideration of the psychological principles involved in studying; problems of technic; typical organizations; a review of the results as recorded in comprehensive literature on supervised study. W., 4:00-6:00. Mr. Hall-Quest

110. Experimental Education.—A course of original investigation in which each student chooses a topic, subject to approval by the instructor, and pursues his problem throughout the year in the related current literature and experimental results published in English and other modern languages. This course will also involve a critical study of the so-called progressive movements in education as represented by the various types of experimental schools established in this and other countries. W., 4:00-6:00. Mr. Sechrist

112. Measurement of Results in Education.—Intended for those persons who wish to acquaint themselves with modern methods of giving tests and measuring the results of teaching. S., 10:30-12:00. Mr. Burris

ENGLISH

COMPARATIVE LITERATURE

(Nathaniel Ropes Foundation for the Comparative Study of Literature)

For Graduates and Upper-Classmen

Additional reading and reports are required of graduates taking courses open to undergraduates.

112. Literary Composition.—Tu., Th., 10:30-11:30. Mr. Shipherd

110. Chaucer and his Period.—M., W., 11:30-12:30. Mr. Stevens

106. Victorian Poetry.—M., W., F., 8:30-9:30. Mr. Shipherd

107. Old English.—Tu., Th., 8:30-9:30. Mr. Lotspeich

108. Tragedy in Elizabethan Drama and Shakespeare.—W., 4:00-6:00. Mr. Cummings

121. English Literature of the Seventeenth Century.—Tu., Th., 9:30-10:30. Mr. Phillips

123. Literary Movement of the Eighteenth Century in England, France, and Germany.—Tu., Th., 2:00-3:00. Mr. Chandler

124. Recent European Drama.—Tu., Th., 1:00-2:00. Mr. Chandler

152. The Biography.—Tu., 4:00-6:00. Mr. Park

For Graduates Only

120. The Renaissance: Seminary.—M., 4:00-6:00. Mr. Chandler

GEOLOGY AND GEOGRAPHY

For Graduates and Undergraduates

107. Mineralogy.—Lectures and laboratory. Additional determinations required for graduate credit. Tu., Th., 9:30-10:30; W., 11:30-12:30; F., 1:00-4:00. Mr. von Schlichten

108. Introductory Paleontology.—Additional reading required for graduate credit. W., 3:00-5:00. Mr. Bucher

113. Special Work in Geology.—Credit according to number of hours elected.

122. Appalachian Field Course.—Eight weeks during summer in the field. Eight credits. Mr. von Schlichten

GERMAN

For Graduates and Undergraduates

Additional reading is required of all graduate students who enter courses open to graduates.

105. History of German Literature to the Nineteenth Century. Special study of the classic periods of the twelfth and eighteenth centuries. M., W., F., 10:30-11:30. Mr. Poll

Primarily for Graduates

117. German Drama of the Nineteenth and Twentieth Centuries.—Tu., 4:00-6:00. Mr. Poll
Prerequisite: Course 105

107. Middle High German.—Th., 4:00-6:00. Mr. Poll

113a. Gothic and Germanic Philology.—Tu., 4:00-6:00. Mr. Lotspeich

Comparative Philology

115. Phonetics and Linguistics.—Tu., Th., 11:30-12:30. Open to Seniors and graduates. Mr. Lotspeich

HISTORY

For Graduates and Undergraduates

Graduate students enrolled in mixed courses are expected to do extra work in order to receive full credit for the course.

120. Spain and Spanish America.—M., W., F., 10;30-11;30. Mr. Chambers

164. American Colonial History.—Tu., Th., 10:30-11:30. Mr. Bond

117. Recent American History.—M., W., F., 9:30-10:30. Mr. McGrane

125. Modern European History.—Tu., Th., 9:30-10:30. Miss Urban

Primarily for Graduates

139. Seminary in American History.—Subject for 1920-1921, *The Old West.* Tu., 4:00-6:00.

Note.—Certain courses in the Lane Theological Seminary and in the Hebrew Union College are accepted as minors towards a Master's degree. For list of these courses see page 76.

MATHEMATICS

For Graduates and Undergraduates

115. Theory of Equations, Including Determinants.—M., W., F., 11:30-12:30. Mr. Hancock

Primarily for Graduates

138. Theory of Numbers, Part IV.—Algebraic numbers. Hilbert's theory. Tu., Th., 4:00-6:00. Mr. Hancock

129. Theory of Functions of a Real Variable.—M., W., 4:00-5:30. Mr. Moore

160. Course in Reading and Research.—Credit according to number of hours elected. Mr. Moore

MATHEMATICS (APPLIED)

No courses were given during the session 1920-1921.

MECHANICAL ENGINEERING

132. Advanced Experimental Engineering

PALAEOGRAPHY

109. Foundation Course.—Deals principally with Latin texts. Survey of the various styles and bibliography down to 1500. Three hours. Mr. Burnam

112. Advanced Course.—Review of the harder styles; reading of texts in modern languages or of some particular country or domain; editing of an unpublished text. Credit variable. Mr. Burnam

111. Illustrated Books in Ancient and Medieval Times.—Runs down to about 800. Bibliography and Christian symbolism. One hour. Mr. Burnam

PATHOLOGY

(The Mary M. Emery Chair of Pathology)

Half the floor space of the pathologic institute is devoted to the undergraduate and graduate work in pathology. In the basement of the institute are found cold storage rooms for the dead, coroner's rooms, incubators and preparation rooms. On the first floor are special laboratories for serology and clinical diagnosis by laboratory methods. The second floor is occupied by an autopsy amphitheater, administrative offices, and a students' laboratory for pathology. The top floor houses a museum and photographic rooms. Since the professor of pathology is the pathologist to the hospital, all its resources are available for teaching purposes.

The satisfactory completion of regular courses in histology, embryology, physiology, and bacteriology, is prerequisite for admission to any of the courses offered.

101. Postmortem Technique. Dr. Austin

102. General and Special Pathology.—168 hours. M., W., F., 8:30-12:00. Dr. Austin

103. Special Topics in Pathology. Drs. Cofield, Kiely

PHILOSOPHY

For Graduates

While these courses include the undergraduate courses coming at the same hours, they are more intensive than the latter and involve in part another subject-matter.

102a. Logic.—Tu., Th., S., 10:30-11:30. Mr. Tawney

102b. Theory of Scientific Method.—Tu., Th., S., 10:30-11:30. Mr. Tawney

103a. History of Philosophy from the Italian Renaissance to the Time of Kant.—M., W., F., 8:30-9:30. Mr. Tawney

103b. History of Modern Philosophy from the Time of Kant.—M., W., F., 8:30-9:30. Mr. Tawney

105a. Ethics.—

Sec. I:	Tu., Th., S., 10:30-11:30	Mr. Crowley
Sec. II:	M., W., F., 10:30-11:30	Mr. Tawney
Sec. III:	M., W., F., 1:00- 2:00	Mr. Crowley

105b. Ethical Interpretations.—

Sec. I:	Tu., Th., S., 10:30-11:30	Mr. Crowley
Sec. II:	M., W., F., 10:30-11:30	Mr. Tawney
Sec. III:	M., W., F., 1:00- 2:00	Mr. Crowley

122. Ethics.—M., 7:30-9:30. Mr. Crowley

108a. Aesthetics.—The theory of art and the beautiful. Tu., Th., 11:30-12:30. Mr. Hartman

108b. Aesthetics.—The theory of art and the beautiful. Tu., Th., 11:30-12:30. Mr. Hartman

109. Monotheism and Modern Idealism.—Tu., 8:30-10:30. Mr. Tawney

110. History of Science.—M., W., F., 9:30-10:30. Mr. Crowley

127. Recent Tendencies in Philosophy.—W., 7:30-9:30. Mr. Hartman

126. Ancient and Medieval Philosophy.—Th., 5:00-7:00. Mr. Hartman

123. British Empiricism.—Tu., 4:00-6:00. Mr. Hartman

133. Courses in Jewish Philosophy.—Given in the Hebrew Union College by Dr. Neumark and Dr. Kohler.

PHYSICS

For Graduates and Undergraduates

132a. Philosophy of Science.—Tu., Th., 11:30-12:30. Mr. More

132b. Philosophy of Science.—Tu., Th., 11:30-12:30. Mr. More

103a. Theoretical Mechanics.—Tu., Th., S., 11:30-12:30. Mr. Richards

118b. Theory of Electricity and Magnetism.—Tu., Th., S., 10:30-11:30. Mr. Richards

Note.—The above courses may be counted towards fulfilling the requirements of a minor in physics. The courses listed below may be counted for either a major or a minor in physics.

108. Advanced Experimental Physics.—Credit according to number of hours elected. Mr. Allen, Mr. More, Mr. Gowdy

110. Seminary.—Tu., 4:00-6:00. Mr. More

134b. Oscillating Circuits.—Twice weekly. Mr. Gowdy

For Graduates Only

107. Lectures on Theoretical Physics.—W., Th., 4:00-6:00. Mr. More

109. Research.—Those electing this course are supplied with all the apparatus needed, and with the assistance of the mechanician. Daily. Mr. More, Mr. Allen, Mr. Gowdy

PHYSIOLOGY

(The Joseph Eichberg Professorship)

The first five of the following courses representing advanced work in physiology required of students of medicine may be elected by graduate workers to satisfy the requirements for their minors. Such choice may, however, be made only after consultation with the head of the department and in connection with extra reading and study.

101. Medical Physiology.—The general physiology of the cell, the blood, circulation, respiration, muscle-nerve, and alimentation. A lecture and conference course. Freshman year, *second semester*, 75 hours, 4½ credit hours. Dr. Fischer

102. Medical Physiology.—A laboratory course paralleling Course 1 and illustrating the classical experiments upon which our present knowledge of the subject rests. Freshman year, *second semester*, 100 hours, 2 credit hours. Drs. Fischer, Baehr, Eckstein, Kehoe

103. Medical Physiology.—The physiology of metabolism, animal heat, absorption, secretion, and the ductless glands. A lecture and conference course. Sophomore year, *first semester*, 75 hours, 4½ credit hours. Dr. Fischer

104. Medical Physiology.—The physiology of the spinal cord, the brain, and the special senses. A lecture and conference course. Sophomore year, *first semester*, 45 hours, 3 credit hours. Dr. Baehr

105. Medical Physiology.—A laboratory course in physiology, paralleling Courses 3 and 4. Sophomore year, *first semester*, 80 hours, 4 credit hours. Drs. Fischer, Baehr, Eckstein, Kehoe

106. Research.—Open to any qualified person after consultation with the head of the department. Dr. Fischer

POLITICAL SCIENCE

For Graduates and Undergraduates

In courses open to both graduates and undergraduates, graduate students are expected to do a greater amount of reading than undergraduates, and such additional work as the instructor prescribes.

102a. International Law.—M., W., F., 9:30-10:30. Mr. Lowrie

103a. Development of Political Thought.—Tu., Th., 1:00-2:00. Mr. Gardner

104a. Political Parties.—Tu., Th., 9:30-10:30. Mr. Gardner

106. Public Finance and Taxation.—M., W., 11:30-12:30. Mr. Lowrie

109b. European Governments.—M., W., F., 8:30-9:30. Mr. Gardner

110b. Problems of National Administration.—Tu., Th., 9:30-10:30. Mr. Gardner

111b. Municipal Administration.—M., W., F., 8:30-9:30. Mr. Lowrie

117a. Advanced American Government.—M., W., F., 8:30-9:30. Mr. Gardner

125. Seminar.—W., 4:00-6:00. Mr. Lowrie
To be taken only with the permission of the instructor.

PSYCHOLOGY

For Graduates and Undergraduates

A theme and additional reading are required of all graduate students who enter courses open to undergraduates.

102a. Experimental Psychology.—M., W., F., 2:00-4:30. Mr. Diserens

102b. Experimental Psychology.—M., W., F., 2:00-4:30. Mr. Diserens

109. Mental and Physical Tests.—Laboratory methods. Two credits a semester. Tu., 3:00-5:00. Mr. Breese, Mr. Diserens

120a. Psychology of Primitive Peoples.—Th., 4:00-6:00. Mr. Talbert

120b. Psychology of Primitive Peoples.—Th., 4:00-6:00. Mr. Talbert

134a. Applied Psychology.—Forms of behavior and factors in human efficiency. Tu., Th., 1:00-2:00. Mr. Diserens

134b. Applications of Psychology in Special Fields.—Tu., Th., 1:00-2:00. Mr. Diserens

Primarily for Graduates

103. Research. Mr. Breese

ROMANCE LANGUAGES

French

For Graduates and Undergraduates

Additional reading is required of graduates taking work in courses open to undergraduates also.

104. French Drama in the Seventeenth Century.—Tu., Th., 9:30-10:30. Mr. Ogden

105. French Drama in the Nineteenth Century.—M., W., 11:30-12:30. Mr. Kinne

124. Nineteenth Century Poets.—Tu., 4:00-6:00. Mr. Brown

125. Development of the French Novel.—Tu., Th., 9:30-10:30. Mr. Ogden

Spanish

For Graduates and Undergraduates

Additional reading is required of graduates taking work in courses open to undergraduates also.

108. Cervantes (*Don Quixote*) and Calderon.—Th., 4:00-6:00. Mr. Brown

Italian

For Graduates and Undergraduates

In the following courses additional reading is required of graduate students.

115. Italian Literature in the Nineteenth Century.—M., W., 10:30-11:30. Mr. Passarelli

SOCIAL SCIENCE

No courses were given during the session 1920-1921.

ZOOLOGY

To pursue advanced courses in zoology, the student should have some training in physics and chemistry, and should be able to read French and German. Special facilities are afforded students pursuing courses of research.

Requirements for Degrees

To enter upon work for the degree of Master of Arts in zoology, students must have completed Courses 1, 2, 5, 17a, 18a, 13a, 14a, 19b, 20b, or their equivalents. (See Announcement of the College of Liberal Arts.) Courses under the heading "For Undergraduates and Graduates" may be counted as graduate subjects with full credit towards the degree of Master of Arts by students who have elected majors in other departments. The requirements for a higher degree, when zoology is chosen as a major subject, are adequately stated under the general requirements for degrees (pages 73, 74).

For Graduates and Undergraduates

110b. Cytology.—Tu., Th., 9:30-12:30. Mr. Wieman

118a. Comparative Anatomy of Vertebrates.—M., W., 1:00-4:00. Mr. Day

120b. Embryology of Vertebrates.—M., W., 1:00-4:00. Mr. Day

129. Advanced Zoology.—Two or three credits. Mr. Wieman, Mr. Day

Primarily for Graduates

131. Research. Mr. Wieman

132. Seminary.—Reading and discussions of papers in zoological journals. One credit. M., 4:00. Mr. Wieman

McMICKEN COLLEGE OF LIBERAL ARTS

SCHEDULE OF ENTRANCE EXAMINATIONS

June 14 and September 13, 1920; January 17, 1921:

8:30-11:00	English	First 3 units
11:00-12:00	English	Fourth unit
1:00- 3:00	Physics	1 unit
3:00- 4:00	Solid Geometry	½ unit
4:00- 5:00	Physical Geography	½ unit

June 15 and September 14, 1920; January 18, 1921:

8:30-10:30	Latin	First and second units
10:30-12:00	Latin	Third and fourth units
1:00- 3:00	Chemistry	1 unit
3:00- 4:00	Astronomy	½ unit
4:00- 5:00	Civics	½ unit

June 16 and September 15, 1920; January 19, 1921:

8:30-10:30	French	1 and 2 units
10:30-12:00	French	3 and 4 units
1:00- 2:30	Plane Geometry	1 unit
2:30- 4:00	Algebra	First unit
4:00- 5:00	Advanced Algebra	½ or 1 unit additional

June 17 and September 16, 1920; January 20, 1921:

8:30- 9:30	Ancient History	½ or 1 unit
9:30-10:30	American History	½ or 1 unit
10:30-12:00	General or Medieval and Modern History	1 unit
1:00- 3:00	Spanish	1 and 2 units
3:00- 5:00	Spanish	3 and 4 units

June 18 and September 17, 1920; January 21, 1921:

8:30-10:30	German	1 and 2 units
10:30-12:00	German	3 and 4 units
1:00- 3:00	Zoology	½ or 1 unit
	Physiology	½ or 1 unit
3:00- 5:00	Botany	½ or 1 unit

June 19 and September 18, 1920; January 22, 1921:

8:30-10:30	Greek	First and second units
	Bookkeeping	1 or 2 units
	English History	½ or 1 unit
	American History and Civics	1 unit
10:30-11:30	Greek	Third unit
	Stenography-Typewriting	1 unit
11:30-12:00	Economics	½ unit
1:00- 2:00	Trigonometry	½ or 1 unit
	Commercial Geography	½ unit
	Commercial Law	½ unit
3:00- 4:00	Commercial Arithmetic	1 unit
4:00- 5:00	Manual Training	1 to 3 units
	Drawing	1 unit
	Domestic Science	1 to 3 units

Students wishing examinations in subjects listed above must notify the Director of Admissions at least two weeks before the day on which the entrance examinations begin.

FACULTY AND INSTRUCTORS

FREDERICK CHARLES HICKS, PH.D. President of the University
JERMAIN GILDERSLEEVE PORTER, PH.D. Director of the Observatory and Professor of Astronomy
PHILIP VAN NESS MYERS, LL.D., L.H.D. ... Honorary Lecturer in History
HARRIS HANCOCK, PH.D., SC.D. Professor of Mathematics
MAX POLL, PH.D. Professor of the Germanic Languages
*MERRICK WHITCOMB, PH.D. Professor of History
LOUIS TRENCHARD MORE, PH.D. Professor of Physics
BURTIS BURR BREESE, PH.D. Professor of Psychology
WILLIAM PAXTON BURRIS, A.M., L.H.D. Professor of Education
*STEPHEN ELMER SLOCUM, B.E., PH.D., Professor of Applied Mathematics
NEVIN M. FENNEMAN, PH.D. Professor of Geology and Geography
GUY ALLAN TAWNEY, PH.D. Professor of Philosophy
FRANK WADLEIGH CHANDLER, PH.D. Professor of English, Ropes Professor of Comparative Literature, and Dean of the College of Liberal Arts
PHILLIP OGDEN, PH.D. Professor of Romance Languages
HARRIS MILLER BENEDICT, PH.D. Professor of Botany
SELDEN GALE LOWRIE, PH.D. Professor of Political Science
ALFRED LAWRENCE HALL-QUEST, A.M. Professor of Education
HARRY SHIPLEY FRY, PH.D. Professor of Chemistry and Director of the Chemical Laboratory
HARRY LEWIS WIEMAN, PH.D. Professor of Zoology
SAMUEL JAMES MCINTOSH ALLEN, PH.D., Professor of Experimental Physics
CLAUDE M. LOTSPEICH, PH.D. Professor of Comparative Philology, Department of German
FRANK K. SECHRIST, PH.D. Professor of Education
WHITELAW REID MORRISON, A.M., M.D. Professor of Hygiene and Physical Education
CLYDE WILLIAM PARK, A.M. Professor of English, College of Engineering and Commerce
WILLIAM TUNSTALL SEMPLE, PH.D. Professor of Classics
REGINALD CHARLES MCGRANE, PH.D. Professor of History, College of Engineering and Commerce
CHARLES NAPOLEON MOORE, PH.D. Associate Professor of Mathematics
CLARENCE DIMICK STEVENS, A.M. Associate Professor of English
HENRY G. HARTMAN, PH.D. Associate Professor of Philosophy
CLARENCE ORAN GARDNER, PH.D. ... Associate Professor of Political Science
EARL FREDERICK FARNAU, PH.D., Associate Professor of Organic Chemistry
RALPH EDWARD OESPER, PH.D., Associate Professor of Analytical Chemistry

*Absent on leave, 1920-1921

EDWARD S. SMITH, M.E., PH.D.....Associate Professor of Mathematics
CLARENCE JAMES FOREMAN, M.S., A.M., PH.D.....Associate Professor of Economics
JOSEPH HENRY KINDLE, A.M.....Associate Professor of Mathematics
BENJAMIN CARLTON VAN WYE, A.M.....Associate Professor of Public Speaking, Department of English
ORVILLE TURNER WILSON, PH.D.....Associate Professor of Botany
BEVERLEY BOND, JR., PH.D.....Associate Professor of History
EVERETT IRVING YOWELL, PH.D.....Associate Professor of Astronomy
HENRY ROBINSON SHIPHERD, PH.D.....Assistant Professor of English
WALTER H. BUCHER, PH.D.....Assistant Professor of Geology
OTTO CHARLES VON SCHLICHTEN, A.B. Assistant Professor of Geology
ERNEST LYNN TALBERT, PH.D., Assistant Professor of Psychology, Director of Admissions, and Supervisor of the Evening Academic Courses
HUBERTIS MAURICE CUMMINGS, PH.D.....Assistant Professor of English
EDWARD C. DAY, PH.D.....Assistant Professor of Zoology
FRANCES JENKINS, B.S.....Assistant Professor of Education
MERTON JEROME HUBERT, A.M., Assistant Professor of Romance Languages
LEONORA NEUFFER, PH.D.....Assistant Professor of Chemistry
WILLIAM A. CROWLEY, PH.D.....Assistant Professor of Philosophy
IRVING H. BROWN, PH.D.....Assistant Professor of Romance Languages
CORA M. BOX, A.M.....Assistant Professor of Zoology
ELLIOTT SMITH, PH.D.....Assistant Professor of Astronomy
SELBY FRAME VANCE, A.M., D.D., LL.D.....Lecturer on Biblical Literature
*LOUEEN PATTEE, A.B.....Dean of Women
EDGAR F. VAN BUSKIRK, A.M.....Lecturer on Hygiene
PLATT BISHOP EVENS.....Mechanician and Instructor in Laboratory Arts
ELEONORE CATHRINE NIPPERT, A.M.....Instructor in German
HELEN A. STANLEY, A.M.....Instructor in English
MARJORIE HILLAS, A.M.....Instructor in Physical Education
OLIVER MUMFORD NIKOLOFF, A.B.....Instructor in Physical Education
LOUIS A. PASSARELLI, A.M.....Instructor in Romance Languages
GRACE M. BOSWELL, M.D.....Medical Examiner for Women
LAURENCE B. CHENOWETH, M.D.....Medical Examiner for Men
E. LUCY BRAUN, PH.D.....Instructor in Botany
FLOYD ELDON BEGHTEL, A.M.....Instructor in Botany
BOYD CHAMBERS, A.B.....Director of Athletics
SOPHIE W. BRUNHOFF, A.B.....Instructor in Physical Education
WILLARD A. KINNE, A.B.....Instructor in Romance Languages
RAYMOND CHAMBERS, A.M.....Instructor in History
WALTER C. PHILLIPS, PH.D.....Instructor in English
FRANK RAWLEY BYERS, A.B.....Instructor in English
GEORGE E. DAVIS, A.M.....Instructor in Mathematics
PETER SCHERRER....Instructor in Lecture Demonstrations and Chemical Supply Agent

*Deceased

JOSEPH LAWRENCE DONNELLY, A.M. Instructor in Chemistry
CHARLES MURDOCH DISERENS, A.M. Instructor in Psychology
HAROLD FREDERIC RICHARDS, PH.D. Instructor in Physics
RODNEY P. ROBINSON, PH.D. Instructor in Classical Languages
MIRIAM B. URBAN, A.M. Instructor in History
KATHERINE B. DABNEY, A.M. Instructor in Physical Education
GERALD BARNES, A.M. Instructor in Physical Education
HOWARD L. BEVIS, A.B., LL.B., S.J.D. Instructor in Economics
ALFRED G. DAUM Mechanician and Instructor in Laboratory Arts

ADMISSION

REGULAR STUDENTS

Requirements for Admission

Candidates for admission as undergraduates must be at least sixteen years of age. A student must offer fifteen units, no conditions being allowed. These units may be secured by entrance examination or by certificate from an accredited secondary school from which the student has graduated with a grade in each academic subject of at least seventy percent.

Definition of a Unit

A unit represents a full year's study of a subject. The recitation time devoted to each unit-subject should be equal to 120 sixty-minute periods. In reckoning units, a double allowance of time should be given to laboratory, drawing-room, field, or shop work. Ordinarily, in order to fulfill this requirement, a study must be pursued for five periods a week throughout an academic year; but in schools where the school year is long, for example, 40 weeks, and the recitation periods are not less than 45 minutes in length, four periods a week for a year may fulfill the time requirements for a unit.

Distribution of Units

The fifteen units must be distributed in the following manner:

Group 1

English—Three units

Mathematics—One unit in algebra and one unit in plane geometry

History—One unit

Language—Three units, from the five languages: Latin, Greek, French, German, Spanish. Two units must be in the same language. Candidates who intend to pursue the study of Latin in the University must present four units in Latin.

Group 2

In addition to these specific requirements the candidate must offer three units in English, mathematics, foreign language, history, physics, chemistry, zoology, physiology, botany, physical geography, economics, and astronomy, under the regulations as to the maximum and minimum of the work to be completed in each subject described below.

Group 3

The remaining three units constitute a "free margin;" i.e., the University accepts for admission any three units which the secondary schools themselves credit towards graduation and which are given in conformity

to the standards adopted by the North Central Association of Colleges and Secondary Schools. No fraction of a unit other than one half is recognized.

Units Accepted for Admission

	Minimum	Maximum
English	3 required	4
Latin	1 — Three units required, two of which must be in one language	or 2 or 3 or 4
Greek	1	.. or 2 or 3
French	1	or 2 or 3 or 4
German	1	or 2 or 3 or 4
Spanish	1	or 2 or 3 or 4
General or Medieval and Modern History	1 — One unit required	
Ancient	½	 1
English	½	 1
American	½	 1
American and Civics	1	 1
Algebra	1 required	or 1½ or 2
Geometry, Plane	1 required	1
Geometry, Solid	½	½
Trigonometry	½	1
Physics	1	1
Chemistry	1	1
*Zoology	1	1
*Botany	1	1
Economics	½	½
Physical Geography	1	1
Physiology	½	1
Astronomy	½	½
Vocational and Other Subjects: Commercial Branches, Domestic Science, Manual Training, and other subjects accepted for graduation by high schools	½	3

Admission by Examination

Examinations for admission in 1920 were held on June 14, 15, 16, 17, 18, 19; and on September 13, 14, 15, 16, 17, 18. In 1921 they were held on January 17, 18, 19, 20, 21, 22.

*One half unit is allowed in zoology and one half unit in botany when these two subjects are presented together as one unit in the same year.

Students who desire to take these examinations must obtain permission from the Director of Admissions at least two weeks before the day on which examinations begin. Some of the examinations may be taken in the spring and the remainder in the fall, if so desired. Students who apply for entrance examinations at times other than the days specified are charged a fee of $5. Extra examinations, however, are not furnished except for good and sufficient reasons.

Examinations for Candidates Without Graduation Certificates

A candidate for admission to the University, coming from one of the accredited schools, who is not a graduate of such school, is not admitted to the entrance examinations within one year after leaving such preparatory school, unless recommended for examination by the principal of the school from which he comes.

Students intending to take the entrance examinations should consult the statement of the entrance requirements, as printed on a preceding page, and arrange to take their examinations

(a) in the fixed requirements, and

(b) in enough additional subjects to make a total of fifteen units

Specimen entrance examination questions are furnished free of charge on application to the Director of Admissions.

ADMISSION ON CERTIFICATE FROM ACCREDITED SCHOOLS

Graduates from secondary schools in the vicinity of Cincinnati which have been inspected and approved by university examiners are accepted on certificate.*

In addition, graduates of the following groups of institutions may be admitted on certificate under the provisions described below:

1. Graduates of secondary schools contained in the list of schools approved by the several accrediting associations or by private institutions of higher education, as published in the current bulletins on accredited schools in the United States (United States Bureau of Education), to be admitted on certificate, provided the requirements of the University are met.

2. Graduates of first-grade American and foreign high schools which have been properly accredited by a recognized standardizing agency, such as the state superintendent or state university.

In order to qualify as regular students, graduates of secondary schools not contained in the lists above mentioned and not included in the number of schools inspected and approved by this University, are required to take entrance examinations.

*Superintendents or principals who may desire to have their schools accredited by the University should address the Director of School Affiliation.

Work of satisfactory grade (as defined on page 98) is accepted from graduates of the University's accredited schools in lieu of the entrance examinations upon the presentation of the proper certificate, signed by the principal of the school, certifying to the work of the candidate. All certificates presented for admission must specify the work actually done, the time devoted to each subject, and the grade received in each course. Blank forms are furnished upon application to the Director of Admissions.

The certificate, properly made out, should be sent to the Director of Admissions, University of Cincinnati, Cincinnati, Ohio, as soon as possible after graduation, and at least five days before the first day of registration. Upon its receipt, the Director of Admissions passes upon the application, and if it is satisfactory, sends a card of admission, which must be presented to the Registrar at the opening of the session. If the certificate is not satisfactory, the candidate is informed, so that he may prepare himself for the entrance examinations.

A candidate from an accredited school who is not a graduate of such school is not admitted upon certificate, but must enter by examination in accordance with the rule given above under the heading "Admission by Examination."

Surplus Matriculation Credit

Students who bring from accredited preparatory schools credits in given subjects in excess of the requirements for matriculation may receive advanced standing in the University for this work if they make a thoroughly satisfactory record (at least "c") in higher work in the same subjects, *taken in the University in the Freshman year.*

The preparatory subjects in which university credits may be acquired are French, German, Greek, and Spanish.

Application for advanced standing must be made at the time of registration.

Admission from other Colleges and Universities

An undergraduate of a college or university, to enter the McMicken College of Liberal Arts, must present to the Director of Admissions satisfactory evidence that he has done a sufficient amount of preparatory work to meet the regular entrance requirements, together with a certificate of honorable dismissal from the college or university last attended. No student under penalty for a breach of discipline by any college or school of the University of Cincinnati may enroll or continue in any other college or school of the University until the sentence has been satisfied or revoked. No Freshman dropped for poor scholarship from another college of the University may be admitted to the College of Arts until he has taken and passed written examinations in all the nine units prescribed from the list

of fifteen required for entrance to the College of Liberal Arts. No upperclassman dropped for poor scholarship from another college of the University may be admitted to the College of Arts until he has taken and passed written examinations in such subjects as in his case shall be prescribed by the Committee on Advanced Standing of the College of Liberal Arts. All students admitted will be given credit for work of university grade in accordance with the provision for "Admission to Advanced Standing."

Admission to Advanced Standing

Students may be admitted to advanced standing upon presentation of a certificate from a college or junior college of approved standing. All applications for advanced standing must be made within three weeks after matriculation to the Director of Admissions, and must be accompanied by a statement of the work done, signed by the proper officials of the college from which the applicant comes, and by a marked copy of the catalogue or by a written description in detail of the courses for which advanced credits are desired. In courses where notebooks or drawings, or both, are required, these also must be presented. The students applying for advanced standing must first have satisfied the entrance requirements for regular students.

The total number of credits which are accepted by the College of Liberal Arts for work done in a single summer session of another college is limited to six from any institution of approved standards conducting courses six weeks in duration, and to eight from any institution of approved standards conducting courses eight or more weeks in duration.*

Examinations for Advanced Standing

Examinations for advanced standing are held: (a) on registration days; (b) within the first two weeks of each semester; (c) within the last two weeks of each semester, i.e., during the regular semester examination period.

Students should consult the heads of departments for definite dates within the above mentioned periods.

Several departments specify dates upon which examinations for advanced standing are held, namely:

Chemistry.—On the Saturday preceding the opening of the first semester, and on the first day of the regularly scheduled semester examination period.

English.—During the first three days of the regularly scheduled semester examination period.

Zoology.—On the Friday preceding the opening of the first semester and on the second day of the regularly scheduled semester examination period.

*For work done in the Summer School of the University of Chicago, since such work is considered part of the regular session, hour for hour credit is allowed.

SPECIAL STUDENTS

Persons at least twenty years of age and qualified to do university work may be admitted as special students to lectures and laboratory courses in the College of Liberal Arts. Special students are required to make written application for admission on blanks printed by the University. The subjects desired must be enumerated, and credentials filed. Special students must satisfy the heads of the departments concerned of their ability to carry on successfully the courses which they desire to enter, and they must enroll in person on a specified published date.

Before any special student may become a candidate for a degree he must satisfy the entrance requirements. All special students are amenable to the same regulations as apply to regular students in matters of examination, probation, discipline, etc. (See probation rule, page 110).

IRREGULAR STUDENTS

Irregular students are those students who have satisfied all the requirements for admission as regular students but are allowed to take less than twelve semester hours of work. To enroll as an irregular student the student must secure the permission of the Dean of the College of Liberal Arts. An irregular student is subject to all the regulations applying to a regular student.

SCHOLARSHIPS AND PRIZES

FRESHMAN

THE JULIUS FLEISCHMANN SCHOLARSHIPS.—Thirteen scholarships of $75 each were offered for eight successive years (1909-1915) by Mr. Julius Fleischmann. Ten scholarships of $100 each (tuition for non-residents increased from $75 to $100) were offered for the years 1917-1918, 1918-1919, 1919-1920, and 1920-1921. They cover the first year's tuition, in the College of Liberal Arts, of ten non-residents who are members of the graduating classes of the Cincinnati high schools and of the accredited schools outside of Cincinnati.

THE THOMS HONORARY SCHOLARSHIPS are awarded annually to the six Freshmen who have the best scholastic records.

SOPHOMORE

THE THOMS HONORARY SCHOLARSHIPS are awarded annually to the six Sophomores who have the best scholastic records.

JUNIOR

THE McMICKEN HONORARY SCHOLARSHIPS are awarded annually to the five Juniors who have the best scholastic standing, according to the records in the Registrar's office.

SENIOR

THE JONES PRIZES.—The first Jones Prize of $40 was founded in 1892 by the Honorable Frank J. Jones, and is awarded annually to that member of the Senior class in the College of Liberal Arts who writes and pronounces the best English oration. The subjects are chosen by the Dean and the Chairman of the Board of Directors. A committee consisting of three citizens of Cincinnati is appointed by the Chairman of the Board of Directors to judge the contest. The second Jones Prize of $20 was founded by Mr. Jones in 1901. It is awarded to that member of the Senior class whose oration is judged by the committee to be second in merit. These prizes are permanently endowed.

THE EDWARD MILES BROWN PRIZE FOR EXCELLENCE IN ENGLISH, valued at $50, was established in 1908, by a provision of the will of the late Professor Edward Miles Brown. It is awarded annually to that member of the Senior class who has attained the highest excellence in English during his four years' undergraduate course.

THE HENRY HOCHSTETTER PRIZE IN CHEMISTRY, of the value of $40, was established in 1909 by Mr. Robert Hilton, of the class of 1895, in memory of his brother, Henry Hochstetter. It is to be awarded annually for the best graduating thesis in chemistry, and is open to students of both the liberal arts and engineering. The successful candidate is nominated by a committee consisting of the head of the Department of Chemistry and two members of the Cincinnati Section of the American Chemical Society.

THE ROBERT PATTERSON McKIBBIN MEMORIAL PRIZE, a gold medal of the value of $25, was established in 1911 by the Reverend William McKibbin and family, in memory of their son Robert Patterson McKibbin, who died in 1910, while a member of the Junior class of the University. This prize aims to hold up before the male students of the University the ideals of manhood. It is awarded to that young man of the Senior class who, in the judgment of the faculty, is the best embodiment of these ideals.

THE CINCINNATI LAW SCHOOL SCHOLARSHIP is open to Seniors who intend to enter the College of Law the year after graduation.

GENERAL

THE CORNELIUS GEORGE COMEGYS SCHOLARSHIP, with an income of $50, was founded in 1899 by the Old Endowment Fund Association, which was composed of the alumni of the University. This scholarship is awarded annually to a meritorious undergraduate.

THE FUND OF THE CINCINNATI SECTION OF THE AMERICAN CHEMICAL SOCIETY, a loan fund of $2,000, has been established by the Cincinnati Section of the American Chemical Society to aid worthy and deserving students in the Department of Chemistry to complete courses in chemistry and chemical engineering. Students who apply for this fund must have completed one year of work in the University and be recommended to the trustees of the Cincinnati Section of the American Chemical Society by a committee appointed by the faculty of the Department of Chemistry of the University or by the Board of Directors of the University, or by both. Both liberal arts and engineering students are eligible to apply.

THE STRAUS PRIZE.—Robert Lee Straus, a graduate of the College of Liberal Arts in the class of 1917, established in that year an annual prize, of the value of $20, to be awarded to the undergraduate who writes the best original composition in verse during the college session. On or before the first of each May, poems offered in competition for this prize should be presented to the Professor of English, who will appoint two other members of the Department of English to act with him in deciding the award.

THE MARGARET STOCKWELL TALBERT PRIZE FOR EXCELLENCE IN PSYCHOLOGY, valued at $50, has been established by the Cincinnati Alumnae Club of the Alpha Chi Omega Sorority. It is to be awarded annually to that student enrolled in the Department of Psychology of the College of Liberal Arts who contributes the best paper on a problem in this field selected from time to time by the head of the department of psychology and the local chapter.

THE TAFT SCHOLARSHIP, of $100, was established in May, 1914, with the proceeds of the sale of the press equipment, which was originally donated by Mr. Charles P. Taft. It is awarded to a worthy student selected by the President of the University.

RHODES SCHOLARSHIPS.—Men who have completed their Sophomore year at the University of Cincinnati are eligible to compete for the Cecil Rhodes Scholarships, tenable for three years at Oxford University, England, with a stipend of $1,500 each year. These scholarships are awarded on the combined basis of character, scholarship, athletics, and leadership in extra-curriculum activities. Further information may be obtained from any member of the Rhodes Scholarship Committee of Selection for Ohio:

Chairman, President W. O. Thompson, Ohio State University, Columbus, Ohio; Professor B. E. Schmitt, Western Reserve University, Cleveland, Ohio; Cary R. Alburn, Esq., Attorney, Garfield Bank Building, Cleveland, Ohio; Secretary, Professor Leigh Alexander, Oberlin College, Oberlin, Ohio.

For the fellowships, scholarships, and prizes of the various colleges, consult their several announcements.

REGISTRATION

Freshmen and Sophomores registered in 1920 with the Student Advisory Committee as follows:

FRESHMEN: Thursday, September 23, 9:00-12:00 A.M. or 1:00-4:00 P.M. Friday, September 24, 9:00-12:00 A.M. or 1:00-4:00 P.M.

SOPHOMORES: Friday, September 24, 9:00-12:00 A.M., or 1:00-4:00 P.M.

Upper-classmen registered with the Advisers on September 23, 24, or 25.

Special students registered on Saturday, September 25.

In 1921, all students registered on Monday, February 14.

Students registering on any other days than those designated above were required to pay a registration fee of $1.

No person is admitted to any course after the beginning of the semester, unless a good and sufficient excuse for not entering at the opening of the semester is presented to the Dean; and *in no event is any person permitted to enter the work of any semester after the close of the second week of that semester.* In accordance with this regulation, no person was admitted for the first semester of 1920-1921 after 12:00 M. on Saturday, October 9, 1920, for the second semester, no one was admitted after 12:00 M. on Saturday, February 26, 1921.

ADVISORY SYSTEM FOR THE ELECTION OF STUDIES

To the Advisory Committee for the Election of Studies is confided the duty of assisting Freshmen and Sophomores in registering for the subjects best adapted to their aims and abilities and of counselling them in all matters affecting scholarship.

Freshman and Sophomore students are required to conform to the following regulations.

FOR FRESHMEN

1. Each Freshman at the first semester registration days is assigned by the Chairman to a member of the committee, who acts as his Adviser, and assists him in registering.

2. At the second semester registration day, each Freshman registers with his own Adviser.

3. On or before May 1 of the Freshman year, each student goes to his Adviser and, in consultation, arranges a tentative program for the Sophomore year.

For Sophomores

1. In the Sophomore year, each student on the first semester registration days must go to his own Adviser and register so far as practicable in accordance with the schedule of studies chosen the previous spring.

2. At the second semester registration day each Sophomore registers with his own Adviser.

3. On or before May 1, each Sophomore must go to his Adviser and, after consultation with him and with the representative of any department concerned, he must choose his major course of studies for the Junior year.

4. No Sophomore is allowed to register for major work unless he has fulfilled at least four fifths of the required work of the Freshman and Sophomore years.

Major Advisers

Every student in the Junior and Senior years registers with the head of the department in which he elects his major, and this person acts through his Junior and Senior years as his Adviser.

No Major Adviser will receive for registration towards a major any student who does not present his record card properly filled out, showing the completion of the necessary requirements of the Freshman and Sophomore years.

DIRECTIONS FOR REGISTRATION

All students must have their registration cards approved at the September and February registration periods,—Freshmen and Sophomores by their Advisers, Juniors and Seniors by their Major Advisers (the heads of the departments in which they are majoring), and special and irregular students by the Dean of the College of Liberal Arts or the Dean of Women.

On the course card each course must be designated by the department and the number of the course, special title, and the number of hours credit, e. g.:

English 1: Rhetoric and Composition.....3
Mathematics 1: Algebra, Trigonometry 3

In filling out election blanks special care should be taken to note the advertised hours of courses, in order that conflicts may be avoided.

All students who expect to become teachers should confer with the Dean of the College for Teachers before filling out their course cards.

All course and schedule cards must be filled out and deposited in the Registrar's office before 4:00 P.M. on the last registration day.

Freshmen

1. Take to the Chairman of the Advisory Committee for the Election of Studies the certificate of admission received from the Director of Admissions, and receive from the Chairman an appointment to an Adviser and also the necessary course and schedule cards. Go to this Adviser and on consultation fill out the course card in accordance with the rules and regulations of the Advisory Committee. (See p. 106).

2. Take the certificate of admission, the registration blank, and the course card to the Registrar.

3. Pay the library fee (also tuition and laboratory fees when such are required) to the Treasurer.

4. Receive from the Treasurer a receipt for matriculation.

5. File the course card received from the Advisory Committee in the Registrar's office.

Sophomores

Every Sophomore must register with his own Adviser in accordance with the rules and regulations of the Advisory Committee. (See page 107.) He must then fill out the registration blank and present that and his course card to the Registrar, who will give in exchange a card of matriculation fees, which must in turn be presented to the Treasurer.

Upper-Classmen

Every upper-classman must fill out his course card under the direction of his Major Adviser. (See page 107.) He must then fill out the registration blank and present that and his course card to the Registrar, who will give in exchange a card of matriculation fees, which must in turn be presented to the Treasurer.

No upper-classman shall be received for registration by a Major Adviser without a record card properly filled out showing the completion of the necessary requirements of the Freshman and Sophomore years.

GENERAL REGULATIONS

Each student, at the beginning of the year, shall leave his local address at the office of the Registrar, and shall promptly report all subsequent changes of address.

Unit of Instruction.—The unit of instruction is one hour a week for one semester. Two and one half hours of actual work in the laboratory, shop, or drafting-room are considered equivalent to one recitation hour and the preparation therefor. Students will receive credit for the number of hours officially published with a course, and for no more. No student

may receive credit for a course for which he has not regularly registered. All University work not so registered is forbidden. Attendance as an auditor is forbidden.

ABSENCES.—All absences of students, from any cause whatsoever, are recorded in the Registrar's office. No absences are excusable except those incurred by students representing the University in some public exercise outside of the city. Application for these excuses must be made to the Dean in advance. Absences because of illness are not excused.

Excessive absence diminishes the value of the work, and in recognition of this the following regulation has been passed:

1-29 cuts in one semester—no penalty
30-44 cuts in one semester—2 credits extra for graduation
45-59 cuts in one semester—3 credits extra for graduation
60-74 cuts in one semester—4 credits extra for graduation
75-89 cuts in one semester—5 credits extra for graduation

During the college year all Freshmen are required to attend convocation, held on Fridays at 11:30. One absence from convocation is counted as equivalent to two absences from class. Students absent from class for more than 2 successive weeks must apply to the Dean for a card of reinstatement. Tardiness counts either as an absence, or as half an absence, at the instructor's discretion.

EXAMINATIONS AND GRADES.—The scale of marks for recording grades is as follows: A, 90-100; B, 80-89; C, 70-79; D, 60-69, passed; E, 50-59, conditioned; F, 0-49, failed; ab, absent; W, withdrawn.

No student may be excused from a final examination because of excellence in class work.

Students who are conditioned are given an opportunity to obtain credit by a special re-examination, upon payment of the fee for supplemental examination. Such an examination shall not be given before the period of the next regular semester or mid-semester examinations, with this exception, that a student conditioned at the end of the second semester may be examined for the removal of a condition during the opening week of the next semester following, provided he has taken work during the intervening vacation under the direction of the head of the department in which the condition was given. The standing of "D" is the highest mark which any student may receive as the result of re-examination for the removal of a condition. Any condition that is not removed within one year shall lapse into a failure.

Students who have been absent from the semester examinations may, at the discretion of the Dean and the heads of the departments concerned, be admitted to subsequent examinations in such work, upon the payment of a fee for supplemental examination. A standing of "D" is the highest mark which any student may receive as the result of an examination for the removal of "absent," except when the absence is because of prolonged

and serious illness, or unavoidable detention, to be determined by the Dean, in which case the student may receive the grade rightly earned. Unexcused absence from a regular examination is construed as a failure therein.

PROBATION.—A student in the College of Liberal Arts who receives a grade below "D" in one half of his work at the mid-term, or at the end of any semester, shall be put upon probation with restricted work for the next half semester of college work, and shall not be permitted to take part in any student activities such as athletics, glee clubs, dramatics, etc. Probation cannot be removed until the student has obtained a passing grade in all subjects that he is permitted to carry. If a student so placed on probation fails to secure this passing grade after two successive semestral periods, he shall cease to be a member of the University. Special students, however, who take six hours of work or less, and make a grade below "D" in one half of their work at the end of the first semester, *may* be allowed to continue without probation until the close of the year.

DEGREES.—Candidates for degrees must be present on commencement day in order to receive their diplomas. Degrees are not conferred *in absentia*, except by special permission from the President.

WITHDRAWAL.—In case a student withdraws from the University during any semester, credit is not given for any of the work elected for that semester.

No student may withdraw from or elect a course after the regular registration days, except by permission or order of the Standing Committee on Election of Courses. For courses changed except by order, students are required to pay a fine of $1 a credit hour of the courses changed. Except in the case of courses discontinued by permission or order of the Standing Committee on Election of Courses, every course elected shall become a required course in which a passing grade must be secured before graduation. Students failing in any course must re-elect it as soon as possible; if the course is no longer offered by the department, the committee determines which course shall be taken as a substitute.

HONORABLE DISMISSAL.—It is required as a condition of honorable dismissal that every student who wishes to withdraw from the University shall submit to the Registrar a written request to that effect at the date of his withdrawal.

REGULAR PROGRAM OF THE COURSE IN ARTS

The degree of Bachelor of Arts is the only degree conferred upon graduates of the College of Liberal Arts.

One credit in the scale of University work is a subject taken for one period a week for one semester. In all laboratory courses, two and one half hours in the laboratory are considered equivalent to one recitation hour and the preparation therefor.

The last year of work required for the degree of Bachelor of Arts must be done in residence at the University of Cincinnati. But any student who has already spent at least three years in residence at the University may, during his last year of work for the degree of Bachelor of Arts, take not more than six hours of such work elsewhere, provided the courses and the institution so attended be approved beforehand by the University Committee on Advanced Standing and by the heads of the departments in which the student proposes to pursue such courses.

All students who are candidates for the degree of Bachelor of Arts must fulfill the following requirements:

Each student must obtain 124 credits, of which 4 shall be in hygiene. Of these credits, 60 must be taken in prescribed subjects, and 30 under the direction of the student's Adviser in the major group of studies. The remainder may be freely elected. No student, however, may count towards his 124 credits for graduation more than 6 credit hours of work marked "D," or "poor," in any one semester. But this restriction shall not operate to prevent his counting courses so marked towards the completion of his prescribed work.

In addition to the 124 credits each student shall take two years of gymnasium work.

Each candidate for the A. B. degree must file in the Registrar's office before March 1 of his Senior year a formal application for his degree. If a Senior fails to make this application, the University will not be responsible for his graduation.

PRESCRIBED SUBJECTS FOR LOWER-CLASSMEN

English 10 credits
Foreign languages 12 credits
*Laboratory sciences 10 credits
History, economics, political science, social science 12 credits
Mathematics, philosophy, psychology 12 credits
Hygiene 4 credits

The above subjects must be completed before the beginning of the Junior year, except that a Sophomore, with the permission of the Advisory Committee and the approval of the Dean, may postpone the performance of not more than twelve credit hours of prescribed work (one fifth of the total amount) to the Junior year, but only in so far as the prescribed work conflicts with the continuity of studies leading towards the fulfillment of a major.

SUBJECTS IN MAJOR GROUPS FOR UPPER-CLASSMEN

I. Greek, Latin, English, German, French, Italian, Spanish
II. Physics, chemistry, zoology, botany, geology
III. History, economics, political science, social science
IV. Mathematics, philosophy, psychology, astronomy

*The requirement of ten hours in a science shall be construed to mean one year of consecutive work in a single science, except in the case of students enrolled in the evening session of the College of Liberal Arts, in which instance two sciences may be offered.

At the end of the Sophomore year, or at the beginning of the Junior year, each student shall designate one of the above groups from which he must select his major subject. Thereafter, the head of the department in which that subject lies shall act as his Adviser. For graduation, at least 18 credits must be secured in this major subject, in addition to those required for the Freshman and Sophomore years; and 12 more credits must be secured in subjects in the same group or in allied subjects specified by the Adviser.

Requirements for the regular program are illustrated in detail in the following diagrams.

OUTLINE OF STUDIES IN THE COLLEGE OF LIBERAL ARTS

A. B. DEGREE

124 *Academic Credits + Two Years of Gymnasium*

60 Required — 64 Elective

30 Directed — 34 Free

From any subject of the 4 years with whole or reduced credits.

Subjects in Groups	Credit Hours	When Completed
1. Eng. Lang	10	1st and 2d years, except as 12 credits may be deferred to Junior year by permission.
2. Modern and Classical Lang	12	
3. Natural Sciences...	10	
4. Hist., Econ., Polit. Sci., Soc. Sci.	12	
5. Math., Phil., and Psy.	12	
6. Hygiene	4	
Phil., Psy., Pol. Sci., and Soc. Sci. not open to Freshmen.		

Major Groups	When Taken
I. Language and Literature II. Natural Sciences III. Hist., Econ., Polit. Sci., and Soc. Sci. IV. Math., Phil., Psy., and Astron.	3d and 4th years.

Major Subject — Major Distributed Credits

18 credits in one department, with head of department as student's Adviser.

12 credits in same group as major subjects, or in allied subjects as specified by Adviser.

Freshman Requirements

Prescribed Subjects	Credit Hours a Week a Sem.	Special Regulations
English	3	Every Freshman must take English 1.
Foreign Language*	3	
Science or Mathematics ...	5 or 3	If a student elects mathematics in place of science, he must elect also either history or economics.
History, Economics, or Mathematics	3	
Hygiene 3	1	In addition to hygiene, every Freshman must take gymnasium two hours a week.
Total Prescribed Hours	15 or 13	

*Any Freshman desiring to major in an ancient language and to take one other foreign language may postpone any of the Freshman regular work, except English 1, subject to the approval of the Dean.

Courses Open to Freshmen

Subjects	Courses, Prescribed and Elective	Credit Hours a Week a Sem.
English	English 1	3
	English 2, 25	2
Foreign Language	*French 1 (beginners)	3
	French 2 (after 2 yrs. high school French)	3
	French 3 (by permission)	2
	French 5 (after 2 yrs. high school French)	2
	French 11 (after 4 yrs. high school French)	3
	French 20 (for pre-medical students)	2
	*German 1 (beginners)	3
	German 2 (after 2 yrs. high school Ger.)	3
	German 3, 20 (after 2 yrs. high school Ger.)	2
	German 4 (after 4 yrs. high school Ger.)	3
	German 20 (for pre-medical students)	2
	German 21 (after 4 yrs. high school Ger.)	2
	*Greek 9 (beginners)	3
	Greek 15 (after 2 yrs. high school Greek)	3
	Greek 1 (after 3 yrs. high school Greek)	3
	Italian 7 (beginners)	3
	Latin 1 (after 4 yrs. high school Latin)	3
	*Spanish 6 (beginners)	3
	Spanish 9 (after 2 yrs. high school Spanish)	3
	Spanish 14 (after 4 yrs. high school Spanish)	3
	Spanish 18 (after 2 yrs. high school Spanish)	2
Natural Science	Astronomy 1b	2
	Botany 1 and 2, 3 and 4	5
	Chemistry 1a and 2a, 3b and 4b	5
	Geology 1	5
	Physics 26a and 2a, 27b and 22b	5
	Zoology 1 and 2	5
Mathematics	Mathematics 1, 2, 3, 4	3
History	History 1, 13, 15	3
	History 61 (for pre-legal Freshmen only), 29	3
Economics	Economics 1	3
Hygiene and Physical Education	Hygiene 3	2 (2d Sem.)
Biblical Literature	Biblical Literature 10a and 10b	2

Sophomore Requirements

Completion of the prescribed work (including 2 hours a week of gymnasium), except in so far as such work may be deferred to the Junior year by special permission, as provided above.

Regular Junior Requirements

Completion of such prescribed work as may have been deferred from the Sophomore year, and the election and pursuit of major work.

*Seniors who take courses starred with an asterisk will receive but half credit for the work.

Regular Senior Requirements

Completion of 124 credits, including the fulfillment of the requirement of 30 credits for a major.

Free Electives

At any time during his four years of residence a student may elect any courses then open to him, provided that such electives do not conflict with the performance either of his prescribed work or of his major work.

A Senior electing courses designed primarily for Freshmen receives for the same only half credit. This ruling applies to first-year French, German, Greek, and Spanish.

Course in Honors for Upper-Classmen

The faculty of the College of Liberal Arts has established an honors course to be pursued by Juniors and Seniors who are capable of more intensive study than the average, and who therefore may be relieved of ordinary academic guides and restrictions. A student who elects the course in honors shall notify the Dean of the college, not later than the beginning of the second semester of his Junior year, of his desire to proceed in his work according to this plan. After having secured the approval of the head of the department in the subject in which he intends to take honors, such a student must register in the usual way. He shall be eligible for graduation only when the head of the department notifies the faculty that he has completed with distinction the course assigned, that he has passed a public examination, and that he has also completed creditably work in other fields amounting to between 18 and 24 credit hours. The head of the department in the student's principal subject shall report to the Registrar at the end of each semester whether or not the work the student is taking has been accomplished with distinction. The elected work in other departments will be reported by the customary grades. Candidates for degrees with honors who fail to pass with distinction the work they have elected must withdraw from the honors course and fulfill the usual requirements before receiving the degree of Bachelor of Arts. The diplomas of students who graduate from the honors course shall read "Extraordinary Degree of Bachelor of Arts with Honors"—or "with High Honors"—"in————————————(subject)." This distinction shall be printed and announced at Commencement, and the names of students holding such degrees shall constitute a roll of honor which shall be a public and permanent record. It is recommended that the Society of Phi Beta Kappa give preference in the choice of members to successful candidates for degrees with honors.

SPECIAL ARRANGEMENTS

Credit for Hebrew taken in the Hebrew Union College

Arrangements have been made with the Hebrew Union College whereby students of that institution who are pursuing a course in the University of

Cincinnati may be allowed to count work in Hebrew taken in that institution for the degree of Bachelor of Arts, to the amount of two hours a week throughout the Freshman and Sophomore years, and three hours a week throughout the Junior and Senior years, provided such work is regularly entered upon the election schedules of the University. For description of courses see the announcement of the Hebrew Union College.

Credit for Work Done in the Lane Theological Seminary

Approved work in the Lane Theological Seminary may be counted towards the Bachelor of Arts degree to the extent of 26 credits, provided it is regularly entered on the election schedule of the University. The courses that may be so counted are for the session 1921-1922:

Hebrew and Old Testament Literature 1, Elementary Hebrew (7 credits); 3, Old Testament History (2 credits); 5, the Psalms (2 credits); 6, the Prophets (2 credits;) 7, Amos, Hosea, Micah (2 credits); 8, Isaiah (2 credits); 12, Job (in conjunction with New Testament 18, 3 credits). New Testament 18, the Revelation of John (in conjunction with Hebrew 12, 3 credits). Church History 1, Ancient and Medieval History (4 credits); 2, Reformation History (4 credits); 3, Modern History (4 credits).

Credit for Work done in the Art Academy of Cincinnati

By an arrangement with the Art Academy of Cincinnati, University of Cincinnati students may elect, at the academy, from the courses in drawing, modeling, and carving, not more than six hours' work in any one semester, and receive credit therefor on the books of the University, provided these courses have been duly entered on the election blank, and the proper certificate from the Director of the Art Academy is presented on their satisfactory completion. Not more than twelve hours of work in the Art Academy will be credited for the degree of Bachelor of Arts. For description of courses, see announcement of the Art Academy.

MAXIMUM CREDIT HOURS A WEEK

Freshmen —Regular, 17 hours, plus Gymnasium
Hebrew Union, 14 hours, plus Gymnasium, plus 2 hours Hebrew

Sophomores—Regular, 18 hours, plus Gymnasium
Hebrew Union, 14 hours, plus Gymnasium, plus 2 hours Hebrew

Juniors —Regular, 18 hours
Hebrew Union, 12 hours, plus 3 hours Hebrew
College of Law, 12-14 hours, plus 4-6 hours Law

SENIORS —Regular, 18 hours
Hebrew Union, 12 hours, plus 3 hours Hebrew
*College of Law, 12 hours, plus 7-9 hours Law
*College of Law (students with no Law in Junior year) 13 hours Law

Any day student wishing to elect evening courses in addition to his day schedule must secure permission from his Adviser. In every case the Adviser, in estimating the total number of hours to be carried by the student, will include in this total the number of hours elected in the evening.

Maximum L. A. credits allowed for work in College of Law.....26
" " " " " " " Hebrew Union College 20
" " " " " " " †Lane Seminary.....26
" " " " " " " Art Academy 12

SPECIAL PROGRAMS IN ARTS PREREQUISITE TO OTHER COURSES

PRE-TEACHING PROGRAM

Four-year curricula are offered to prospective teachers in elementary schools, leading to the degree of Bachelor of Science, conferred upon recommendation of the faculty of the College for Teachers.

During the first two years, students matriculated in such curricula are registered in, and are under the jurisdiction of, the McMicken College of Liberal Arts. During the last two years such students are registered in, and are under the jurisdiction of, the College for Teachers.

The standard of admission to such four-year curricula is the same as that of admission to the McMicken College of Liberal Arts.

PRE-LEGAL PROGRAM

Students who wish to enter the College of Law of the University of Cincinnati must have completed at least the Freshman year in an approved college. Those who take this preliminary year in the College of Liberal Arts of the University of Cincinnati must pursue the courses listed on page 282.

PRE-MEDICAL PROGRAM

The Council of Medical Education of the American Medical Association has recently ruled that pre-medical students must fulfill all entrance requirements before they will be admitted to acceptable medical schools.

*Students taking the Combined Liberal Arts and Legal Program, described on p. 119.
†No Lane Seminary student taking a full course at Lane may register for more than 4 hours in any one semester in the College of Liberal Arts.

The minimum requirement for admission to acceptable medical schools, in addition to the high school work, is sixty semester hours of collegiate work, extending through two years, of thirty-two weeks each, exclusive of holidays, in a college of liberal arts and sciences approved by the Council on Medical Education. The subjects included in the two years of college work should be in accordance with the schedule on page 242.

*Summer Pre-Medical Courses

The University of Cincinnati offered, in the summer of 1920, courses in physics, analytical chemistry, organic chemistry, and zoology. These courses began on June 7 and continued until August 14, a term of ten weeks. They were open to students whose credentials, filed with the Director of Admissions, showed that they had completed the high school course. Those taking chemistry must have had one year of general chemistry at college. Special students, not candidates for a degree, were also admitted, provided that they showed satisfactory preparation for the particular course to be taken. No student was allowed to take more than one full course or two half courses. A full course consisted of one lecture and one laboratory period six days a week, and a half course of one lecture and one laboratory period three days a week.

Students completing these courses in a satisfactory manner received credits for admission to the College of Medicine. Furthermore, the credits granted in the pre-medical summer courses partially fulfilled the requirements for the combined B.S. and M.D. degrees as follows: analytical chemistry, 4 credits; organic chemistry, 4 credits; physics, 8 credits; zoology, 8 credits.

COMBINED PROGRAMS

FIVE-YEAR COMBINED LIBERAL ARTS AND TEACHING PROGRAM

The University offers extended curricula which lead, at the end of the fourth year, to the degree of Bachelor of Arts, conferred upon recommendation of the faculty of the McMicken College of Liberal Arts, and which lead also, at the end of the fifth year, to appropriate teachers' diplomas, conferred upon recommendation of the faculty of the College for Teachers.

*For courses offered, see p. 121.

SIX-YEAR COMBINED LIBERAL ARTS AND LEGAL PROGRAM

Leading to the degrees A.B., LL.B.

A student who has received credit for the work of the first two years in the College of Liberal Arts may, in the third year, elect from four to six hours a semester of the lectures of the first year of the law course as a substitute for studies in the College of Liberal Arts, and in the following year he may, in the same way, take the remainder of the thirteen hours of the first year's course in the College of Law. Or, if he so desires, he may elect, in his Senior year, the entire thirteen hours of the first-year law course (equivalent to twenty-six credit hours in the College of Liberal Arts), provided he has fulfilled all the requirements for obtaining his A. B. degree.

SEVEN-YEAR COMBINED LIBERAL ARTS AND MEDICAL PROGRAM

Leading to the degrees A.B., M.D.*

The entrance requirements to this course are those of the College of Liberal Arts. The A.B. degree is granted upon the joint recommendation of the faculties of the Colleges of Arts and Medicine at the end of the first medical year, the M.D. at the end of the fourth medical year. In this course the student must satisfy all the requirements for the A.B. degree, i.e., 124 credits plus 2 years of gymnasium, and must also include all subjects required for the pre-medical course.

**SIX-YEAR COMBINED LIBERAL ARTS AND MEDICAL PROGRAM

Leading to the degrees B.S., M.D.†

The entrance requirements to this course are those to the College of Liberal Arts. The B.S. degree will be granted, upon the joint recommendation of the faculties of the Colleges of Liberal Arts and Medicine, at the end of the second medical year, and the M.D. degree at the end of the sixth year.

*Students electing the above course will not be granted the B.S. degree after completing the second year of the medical course. Those courses in the College of Liberal Arts counting for a Bachelor's degree in either the six or seven-year combined liberal arts and medical program may not count for more than one Bachelor's degree.

**Students who are candidates for the B S. degree in the combined liberal arts and medical course must secure at least 30 liberal arts credits in residence at the University of Cincinnati. These credits may, if the student so desires, be gained during his first and second years in the College of Medicine by work in the Departments of Anatomy, Bacteriology, Biochemistry, Pathology, Pharmacology, and Physiology, recognized by the College of Liberal Arts.

†Students who receive the B.S. degree on the completion of this course may not be granted the A.B. degree by taking additional courses in the College of Liberal Arts or in the College of Medicine.

*FIVE-YEAR COMBINED LIBERAL ARTS AND NURSING PROGRAM

Leading to the degree B.S.

The College of Liberal Arts and the School of Nursing and Health have established a course which will enable students to obtain the degree of Bachelor of Science upon the completion of five years' work.

The *entrance requirements* to this course are those to the College of Liberal Arts.

*FOUR-YEAR COMBINED LIBERAL ARTS AND HOME ECONOMICS PROGRAM

Leading to the degree B.S.

The College of Liberal Arts and the Department of Home Economics have established a course which will enable students to obtain the degree of Bachelor of Science upon the completion of four years' work.

The *entrance requirements* to the course are those to the College of Liberal Arts.

*Students who are candidates for the B.S. degree in the combined liberal arts and professional courses other than the medical must spend the second year of academic work in residence in the College of Liberal Arts.

COURSES OF INSTRUCTION
*SUMMER 1920

JUNE 7-AUGUST 14

CHEMISTRY

7c. ANALYTICAL CHEMISTRY.—A course in quantitative analysis, including part of the work offered in Course 7, as outlined on page 125. This course is open to students majoring in chemistry and to pre-medical students. Lec., Tu., Th., S., 8:00-9:00; lab., Tu., Th., S., 9:00-12:00. Four credits. Miss Neuffer

Prerequisite: Courses 1a, 2a, 3b, 4b, or their equivalent

8c. ORGANIC CHEMISTRY.—The lectures are arranged to meet the needs of those who are majoring in chemistry and those entering on the study of medicine or biology. This course is a prerequisite to the study of biochemistry. It will also be found useful to physicians desiring to continue their studies either in biochemistry or physiology. Lec., M., W., F., 8:00-9:00; lab., M., W., F., 9:00-12:00. Four credits. Mr. Fry, Miss Neuffer

Prerequisite: Courses 1a, 2a, 3b, and 4b, or their equivalent

PHYSICS

The course in physics comprises, as far as possible, Courses 26, 27, 2, and 22. (See p. 140.) The course is intended for students preparing to enter the College of Medicine, and its completion will satisfy the physics requirement for entrance to that college. Lec., M., Tu., W., Th., F., S., 8:00-9:00; lab., M., Tu., W., Th., F., S., 9:00-12:00. Eight credits. Mr. Allen

ZOOLOGY

The course in zoology corresponds to Courses 1 and 2. (See p. 146.) It is especially adapted to the needs of students intending to study medicine. Lec., M., Tu., W., Th., F., S., 8:00-9:00; lab., M., Tu., W., Th., F., S., 9:00-12:00. Eight credits. Mr. Day

*For additional summer courses students are referred to page 148.

COURSES OF INSTRUCTION
SESSION 1920-1921

ASTRONOMY

PROFESSOR PORTER; ASSOCIATE PROFESSOR YOWELL; ASSISTANT PROFESSOR SMITH

For Undergraduates

1b. DESCRIPTIVE ASTRONOMY.—Not open to Freshmen. Lectures and class work. No mathematical training is required beyond a geometrical conception of the sphere and its circles. *Second semester*, Tu., Th., 10:30-11:30. Mr. Porter

BIBLICAL LITERATURE

LECTURER VANCE; ASSISTANT CLARK

For Undergraduates and Graduates

7a. FIRST PRINCIPLES OF BIBLICAL LITERATURE.—*First semester*. Tu., Th., 11:30-12:30. Mr. Vance

8b. EPIC LITERATURE.—*Second semester*. Tu., Th., 11:30-12:30. Mr. Vance

EVENING COURSES

207. FIRST PRINCIPLES OF BIBLICAL LITERATURE.—*First semester*, F., 7:30-9:30. Mr. Vance

208. EPIC LITERATURE.—*Second semester*, F., 7:30-9:30. Mr. Vance

*BOTANY

PROFESSOR BENEDICT; ASSOCIATE PROFESSOR WILSON; INSTRUCTORS BRAUN, BEGHTEL; ASSISTANT BROOKS

In the advanced courses, training in physics and chemistry, as well as ability to read French and German, is of advantage Special facilities are afforded students pursuing courses of research.

Students contemplating training in agriculture at an agricultural college should, after consultation with the head of this department, register for Courses 1 and 2.

Students who desire to be recommended as teachers of botany in secondary schools must complete as a minimum Courses 1, 2, 3, 4, 5, 6, and 18, inclusive. It is very desirable that they also do at least one year of graduate work.

*Properly qualified Juniors and Seniors in the College of Liberal Arts may elect courses in anatomy, bacteriology, pathology, pharmacology, and physiology in the College of Medicine, and may count these courses towards fulfilling the requirements for the A.B. degree.

For Undergraduates

1. PLANT BIOLOGY.—This course must be taken in connection with Course 2.
 Sec. I: M., W., F., 8:30-9:30
 Sec. II: M., W., F., 9:30-10:30 Mr. Benedict
 Course 1 is required as a prerequisite to all other courses in botany and agriculture.

2. EXPERIMENTAL PLANT BIOLOGY.—This course must be taken in connection with Course 1.
 Sec. I: M., W., 1:00-4:00 Sec. III: Tu., Th., 8:30-11:30
 Sec. II: Tu., Th., 1:00-4:00 Sec. IV: Tu., Th., 8:30-11:30
 Mr. Wilson, Mr. Beghtel, Mr. Brooks

3. PLANT ECOLOGY.—A course of lectures on the characteristic vegetation of the arctic, temperate, and tropical regions, with a more detailed study of the deserts, grass lands, and forests of the United States, and of the origin of the flora of the Cincinnati region. Relation between structure, habits, and environmental factors is emphasized. Tu., Th., 1:00-2:00. Mr. Benedict
 Required of pre-agricultural students and of all who desire the recommendation of the department as teachers of botany or nature study in the schools.
 Prerequisite: One year of botany. Must be accompanied by Course 4.

4. PLANT ECOLOGY, LABORATORY.—Laboratory and field work. Tu., Th., 2:00-4:00. Miss Braun
 Prerequisite: Courses 1 and 2
 Required of prospective teachers of botany in secondary schools.

For Undergraduates and Graduates

5. SYSTEMATIC BOTANY.—One lecture with one laboratory or field period of work a week on the local plants. Miss Braun
 Prerequisite: Courses 1 and 2

6a. PLANT PATHOLOGY.—The causes, symptoms, and prevention of plant diseases. Lec., Tu., 8:30; lab., Tu., Th., 8:30-11:30.
 Required of pre-agricultural students. Mr. Wilson

6b. BACTERIOLOGY.—Study of the physiology and morphology of bacteria. Lec., Tu., 8:30; lab., Tu., Th., 8:30-11:30. Mr. Wilson
 Prerequisite: Courses 1 and 2

10. PLANT BREEDING.—A course in heredity and its application to the development of improved varieties of cultivated plants. M., W., 11:30-12:30. Mr. Benedict
 Prerequisite: One year of either botany or zoology

16a. Plant Histology.—One lecture, two laboratory periods a week. *First semester*, lec., M., 1:00-2:00; lab., M., 2:00-4:00, W., 1:00-4:00. Three credits. Mr. Beghtel
Prerequisite: Two years' work in botany

16b. Plant Cytology.—One lecture, two laboratory periods a week. *Second semester*, lec., M., 1:00-2:00; lab., M., 2:00-4:00, W., 1:00-4:00. Mr. Beghtel
Prerequisite: Course 16a

17. Special Problems.—One, two, or three hours' credit. Instructor according to the problem.
Prerequisite: Three years of botanical work and special aptitude for the type of problem chosen

18. Plant Physiology.—For Seniors in botany and graduate students. Two lectures a week. Mr. Benedict

Primarily for Graduates

20. Current Problems in Botany.—A reading knowledge of French or German is required. One or two credit hours. Mr. Benedict
Prerequisite: Courses 1, 2, 3, 4, 5, 6a, 6b, 16a, 16b, 18

21. Research.—Credit according to number of hours elected.
Mr. Benedict, Mr. Wilson, Miss Braun

Evening Course

201. The Plant in Modern Life.—Lectures and laboratory applications. A general treatment of botany in relation to such practical topics as evolution, heredity, food production, forestry, pharmacy, public health, and floriculture. Should be of assistance to teachers of elementary science. Tu., Th., 7:30-9:30. Mr. Wilson

CHEMISTRY

Professor Fry, Director of the Laboratory; Associate Professors Farnau, Oesper; Assistant Professor Neuffer; Instructors Scherrer, Donnelly, Daum; Assistants Feusse, Landis, Otto

Undergraduate students majoring in chemistry are required to pursue Courses 5a, 6a, 7a (or 7c), 8b (or 8c), 9b, and 12a.

Students contemplating graduate work in chemistry should complete in addition to the above the following courses: 7b, 19a, 21a, 13a, 32b, and 33b. (See "Special Requirements for Higher Degrees" in the Graduate School Announcement.)

For Undergraduates

1a. General Inorganic Chemistry.—Fundamental facts and laws of the science of chemistry. The non-metals. Course 2a forms an integral part of, and must accompany, Course 1a. *First semester*, M., W., F., 8:30-9:30. Mr. Fry and assistants

2a. General Inorganic Chemistry, Laboratory.—*First semester.*
Sec. I: M., W., 1:00-4:00
Sec. II: Tu., Th., 1:00-4:00. Mr. Fry, Mr. Donnelly, and assistants

3b. General Inorganic Chemistry.—A continuation of Course 1a. The metals. This course must be accompanied by Course 4b. *Second semester*, M., W., F., 8:30-9:30. Mr. Fry and assistants
Prerequisite: Courses 1a and 2a

4b. General Inorganic Chemistry, Laboratory.—*Second semester.*
Sec. I: M., W., 1:00-4:00
Sec. II: Tu., Th., 1:00-4:00 Mr. Fry, Mr. Donnelly, and assistants

5a. Qualitative Analysis.—*First semester*, Tu., Th., 8:30-9:30.
Prerequisite: Courses 3b and 4b Miss Neuffer

6a. Qualitative Analysis, Laboratory.—To accompany Course 5a. *First semester*, three exercises a week. M., W., F., 1:00-4:00.
Miss Neuffer

7a. Elementary Quantitative Analysis.—Arranged to meet the needs of those who intend to specialize in chemistry, in medicine, in engineering, or in biology. *First semester*, lec., M., F., 8:30-9:30; lab.
Sec. I: M., W., 1:00-4:00
Sec. II: Tu., Th., 1:00-4:00 Mr. Oesper
Prerequisite: Courses 3b and 4b

7b. Intermediate Quantitative Analysis.—A continuation of Course 7a, and a prerequisite to Technical Analysis. *Second semester*, lec., Tu., Th., 8:30-9:30; lab., Tu., Th., 1:00-4:00. Mr. Oesper

8b. Elementary Organic Chemistry.—This introductory course is arranged to meet the needs of those who intend to specialize in chemistry, in medicine, in engineering, or in biology. It is prerequisite to Intermediate Organic Chemistry. *Second semester*, M., W., F., 8:30-9:30. Miss Neuffer
Prerequisite: Courses 3b and 4b

9b. Organic Reactions and Preparations.—Laboratory practice to accompany the lectures of Course 8b. *Second semester.*
Sec. I: M., W., 1:00-4:00
Sec. II: Tu., Th., 1:00-4:00 Miss Neuffer and assistant
Prerequisite: Courses 3b and 4b

17. Technical Analysis.—Laboratory. May be taken either semester or both semesters. Three credit hours. Mr. Oesper
Prerequisite: Course 7b

29b. Practical Photography.—One combined lecture and laboratory period a week. *Second semester*, F., 1:00-4:00. Mr. Scherrer
Prerequisite: Courses 3b, 4b

For Undergraduates and Graduates

10a. Advanced Inorganic Chemistry.—Tu., Th., 8:30-9:30 Mr. Fry
Prerequisite: Courses 8b and 9b

11. Inorganic Preparations.—Experiments supplementary to the subject-matter of Course 10a. *First or second semester*, two or three laboratory exercises a week. Mr. Oesper
Prerequisite: Courses 7, 8b, and 9b

19a. Intermediate Organic Chemistry.—A continuation of Course 8b. M., W., F., 9:30-10:30. Miss Neuffer
Prerequisite: Courses 8b, 9b, or 8c

21a. Intermediate Organic Chemistry, Laboratory.—This course is open to students pursuing Course 19a. *First semester*, two periods a week. Mr. Farnau

12a. Physical Chemistry.—*First semester*, M., W., F., 10:30-11:30. Mr. Feusse
Prerequisite: Courses 5a, 6, 7, 8b, 9b; Physics 26a, 27b

13a. Physical Chemistry, Laboratory.—This course accompanies Course 12a. *First semester*, F., 1:00-4:00; S., 8:30-11:30. Mr. Farnau, Mr. Feusse

32b. Electro-Chemistry.—*Second semester*, M., W., F., 10:30-11:30.
Prerequisite: Course 12a Mr. Feusse

33b. Electro-Chemistry, Laboratory.—This course accompanies Course 32b. *Second semester*, F., 1:00-4:00; S., 8:30-11:30. Mr. Farnau, Mr. Feusse

34a. Chemistry of Colloids.—*First semester*. Three lectures a week.
Prerequisite: Courses 12a, 13a Mr. Oesper

28. Ultimate Organic Analysis. Mr. Oesper

20b. Advanced Organic Chemistry.—M., W., F., 9:30-10:30. Miss Neuffer
Prerequisite: Courses 5a, 6a, 19a, and a reading knowledge of German and French

21b. Advanced Organic Chemistry, Laboratory.—Credit according to number of hours elected. Mr. Farnau
Prerequisite: Same as for Course 20

24b. History of Chemistry.—*Second semester*, three lectures a week.
Prerequisite: Courses 5a, 6a, 7a, 8b, and 9b Mr. Fry

Primarily for Graduates

30. Research.—Problems for investigation may be chosen from the following: organic chemistry (30a); inorganic chemistry (30b); physical chemistry (30c); industrial chemistry (30d); or metallurgy (30e).

Mr. Fry, Mr. Goettsch, Mr. Oesper, Mr. Farnau, Mr. Boone

During the summer of 1920, students engaged in research were permitted to enroll in the Graduate School.

40. Seminar.—Each candidate for an advanced degree in chemistry must take an active part in Chemistry Seminar. M., 4:00. Mr. Fry

CLASSICS

Professor Semple; Instructor Robinson

Greek

For Undergraduates

1. Elementary Greek.—Open to students who have had no preparation in Greek. The purpose of this course is to provide the student with only the most necessary elements of the Greek language and then, as soon as possible, to begin the reading of Homer: *The Iliad*. M., W., F., 8:30-9:30. Mr. Robinson

2. Homer: The Iliad and Odyssey.—M., W., F., 10:30-11:30. Mr. Robinson

Prerequisite: Course 1, or two years of high school Greek

3. Attic Prose.—Xenophon: *Memorabilia*; Plato: *Apology, Symposium*. M., W., F., 1:00-2:00. Mr. Semple

Prerequisite: Course 2, or three years of high school Greek

Latin

For Undergraduates

1. Comedy.—Selected plays of Plautus or Terence; Catullus: *Selections*; Cicero: *De Amicitia*; Horace: *Odes* and *Epodes*.

Sec. I: Tu., Th., S., 11:30-12:30. Mr. Robinson

Sec. II: M., W., F., 9:30-10:30. Mr. Robinson

Prerequisite: Four years of high school Latin

6. Prose Composition.—Tu., 10:30-11:30. Mr. Robinson

Recommended to students of Freshman and Sophomore Latin.

2. Horace: *Satires* and *Epistles*; Petronius: *Cena Trimalchionis*.—M., W., F., 10:30-11:30. Mr. Semple

Prerequisite: Course 1

3. TACITUS: *Annales*; MARTIAL: *Epigrammes*.—Three hours. Prerequisite: Course 2 Mr. Semple
In this course the authors are changed from year to year, according to the needs and interests of the students.

Attention is called to Philosophy 4a and Physics 32a, which deal with Greek philosophic thought.

Attention is also called to courses in comparative philology, p. 135, Professor Lotspeich.

ECONOMICS

(The Sinton Professorship)

ASSOCIATE PROFESSOR FOREMAN; INSTRUCTOR BEVIS; ASSISTANT SELLEW

Students intending to major in Economics should take Course 1 in the Freshman year, and Course 2 in the Sophomore year.

For Undergraduates

1. ECONOMICS.—This course is intended to give the students a general view of the fundamental principles of economics, with special reference to their relation to social problems.—M., W., 9:30-10:30, and a third hour to be arranged for sectional meetings. Mr. Bevis
2. ECONOMIC HISTORY.—Tu., Th., 10:30-11:30. Mr. Foreman
Prerequisite: Course 1

For Undergraduates and Graduates

15. TRANSPORTATION.—*First semester*, M., W., F., 10:30-11:30.
Prerequisite: Course 1 Mr. Foreman

18. FOREIGN TRADE POLICIES.—*Second semester*, M., W., F., 10:30-11:30. Mr. Foreman
Prerequisite: Course 1

19. MONEY AND BANKING.—*First semester*, M., W., F., 9:30-10:30.
Prerequisite: Course 1 Mr. Foreman

20. MONOPOLIES AND TRUSTS.—*Second semester*, M., W., F., 9:30-10:30.
Prerequisite: Course 1 Mr. Foreman

17. SOCIALISM.—*First semester*, Tu., Th., 2:00-3:00. Mr. Bevis
Prerequisite: Course 1

16. LABOR.—*Second semester*, Tu., Th., 2:00-3:00. Mr. Bevis
Prerequisite: Course 1

Primarily for Graduates

12. History of Economic Theory.—Twice weekly. Mr. Foreman

21. Seminary.—Twice weekly. Mr. Foreman

23. Research.—Credit according to number of hours elected. Mr. Foreman

Evening Courses

232. Economics (similar to Course 1).—Th., 7:30-9:30. Mr. Foreman

231. Statistics.—M., 5:00-7:00. Mr. Foreman

EDUCATION

Professors Burris, Hall-Quest, Sechrist; Assistant Professor Jenkins

The following courses count towards the A.B. degree in the College of Liberal Arts. They are required of Juniors and Seniors in this college who expect to spend an additional year in further preparation for teaching.

1. European Background and Public Education in the United States.—Open to Juniors. Required of all students who are preparing to teach. M., W., F., 9:30-10:30. Mr. Burris

2a. Teaching in Elementary Schools.—Open to Seniors. Required of all students who are preparing to teach. *First semester.* Tu., Th., 8:30-9:30, and one hour observation a week, to be arranged. Miss Jenkins

2b. Teaching in High Schools.—Open to Seniors. Required of all students who are preparing to teach. *Second semester.* Tu., Th., 8:30-9:30, and one hour observation a week, to be arranged. Mr. Hall-Quest

4a. Educational Psychology.—Open to Seniors. *First semester,* M., W., F., 10:30-11:30. Mr. Sechrist

4b. Educational Economy.—Open to Seniors. *Second semester,* M., W., F., 10:30-11:30. Mr. Sechrist

For a complete list of courses in education given in the University, and for full information with regard to the requirements for those who wish to prepare for various positions in school work, see the Announcement of the College for Teachers.

ENGLISH

COMPARATIVE LITERATURE

(The Nathaniel Ropes Foundation for the Comparative Study of Literature)

PROFESSOR CHANDLER; PROFESSORS PARK (ENGINEERING ENGLISH), LOTSPEICH (COMPARATIVE PHILOLOGY); ASSOCIATE PROFESSORS STEVENS, VAN WYE (PUBLIC SPEAKING); ASSISTANT PROFESSORS SHIPHERD, CUMMINGS; INSTRUCTORS STANLEY, PHILLIPS, BYERS; ASSISTANTS BIRCH, BROWNELL, STRAUS, ALTAMER, AXLINE, DRACH, ELLIOTT

All students in English, before making their election of courses, are advised to consult with some member of the department, and to read carefully the departmental bulletin of information as to the proper sequence in which such courses should be taken.

No student should enter or withdraw from a two-semester course at the beginning of the second semester without first consulting the instructor concerned.

Students majoring in English are required to take as part of their program, preferably in the Junior year, either Course 7 or Course 10.

For Undergraduates Only

1. ENGLISH COMPOSITION AND LITERATURE.—Eleven sections.* Sections 1-6, M., W., F., 10:30-11:30; Section 7, M., W., F., 8:30-9:30; Section 8, M., W., F., 9:30-10:30; Section 9, Tu., Th., S., 8:30-9:30; Section 10, Tu., Th., S., 9:30-10:30; Section 11 (for those who, after having been assigned to laboratories, find that these hours are free), M., W., F., 1:00-2:00.

 Mr. Shipherd, Mr. Lotspeich, Mr. Stevens, Mr. Cummings, Miss Stanley, Mr. Phillips, Mr. Byers, Mr. Straus, and assistants
 Course 1 is required of all students in the College of Liberal Arts in the Freshman year.

 A practical test of each student's ability to write simple English will precede the regular work of this course. Those found to be notably deficient in spelling, punctuation, grammar, and paragraphing will be assigned to special sub-freshman sections. No college credit will be allowed for work in these sections, but students who show marked progress will be transferred to the regular college sections at the mid-semester and at the end of the first semester.

 A passing grade received in English 1 may at any time lapse into a "condition," upon recommendation of the Department of English, or upon the joint recommendation of that and any other department of the College of Liberal Arts. A condition thus incurred

*Any section may be discontinued in which the enrollment is less than 20 Students should, therefore, keep the 10:30 hour, M., W., F., free for English 1.

may be removed only at the examination period next ensuing, and if not removed within one semester, it will lapse into a failure. The method of removing the condition will be determined by the Department of English according to the individual case, but in any event it must include a written test.

2. A Survey of English Literature.—Eight sections. Sections 1-2, M., W., 11:30-12:30; Sections 3-4, Tu., Th., 9:30-10:30; Section 5, Tu., Th., 10:30-11:30; Sections 6-8, Tu., Th., 11:30-12:30. Mr. Cummings, Mr. Lotspeich, Mr. Stevens, Mr. Shipherd, Miss Stanley, Mr. Byers, Mr. Straus

Course 2 is required of all students for the A.B. degree, and should be taken in the Freshman or Sophomore year. If it is deferred till the Junior year, it will count but half credit. No Sophomore may take any other course in literature unless enrolled in or already credited with English 2.

15. Advanced Composition (short story and essay writing).—Tu., Th., 10:30-11:30. Miss Stanley

Course 15 is recommended for Sophomores who have passed creditably in Course 1.

25. Public Speaking.—
Sec. I: Tu., Th., 10:30-11:30
Sec. II: Tu., Th., 11:30-12:30 Mr. Van Wye

Course 25 is recommended for students who expect to take Course 13b, and it is required of pre-legal students.

9a. Argumentation.—*First semester*, Tu., Th., 8:30-9:30. Mr. Van Wye

Students who take English 9a should have completed both semesters of English 1 with a grade of "c" or better.

9b. The Forms of Public Address.—*Second semester*, Tu., Th., 8:30-9:30. Mr. Van Wye

Courses 9a and 9b are intended to serve as preparation for debating and effective public speaking. They are recommended for Sophomores and for those who may become candidates for the Jones prizes.

13b. Debating.—*Second semester*, M., 3:00-5:00. Mr. Van Wye

Course 13b is open to students who have passed creditably in Courses 1 and 9a. Students interested in public speaking are advised to take Courses 9a and 9b one year, and Course 13b the next.

45a. Parliamentary Law.—A study of the principles, with practice in their application. *First semester*, M., W., 11:30-12:30. Mr. Van Wye

5. Shakespeare.—M., W., F., 9:30-10:30. Mr. Stevens
Course 5 is recommended for Sophomores.

11. The English Novel.—Scott to Hardy. Tu., Th., 9:30-10:30. Mr. Stevens

4. Nineteenth Century Prose.—Tu., Th., 1:00-2:00. Mr. Byers

50b. The Development of the Short Story.—Tu., Th., 11:30-12:30. Miss Stanley

51. The Vocal Interpretation of Literature.—M., W., 11:30-12:30. Mr. Van Wye

For Upper-Classmen and Graduates

12. Literary Composition.—Tu., Th., 10:30-11:30. Mr. Shipherd

10. Chaucer and his Period.—M., W., 11:30-12:30. Mr. Stevens

6. Victorian Poetry.—M., W., F., 8:30-9:30. Mr. Shipherd

7. Old English.—Tu., Th., 8:30-9:30. Mr. Lotspeich

8. Tragedy in Elizabethan Drama and Shakespeare.—W., 4:00-6:00. Mr. Cummings

21. English Literature of the Seventeenth Century.—Tu., Th., 9:30-10:30. Mr. Phillips

23. Literary Movement of the Eighteenth Century in England, France, and Germany.—Tu., Th., 2:00-3:00. Mr. Chandler

24. Recent European Drama.—Tu., Th., 1:00-2:00. Mr. Chandler

52. The Biography.—Tu., 4:00-6:00. Mr. Park

For Graduates Only

120. The Renaissance.—Seminary. M., 4:00-6:00. Mr. Chandler

For Teachers

For courses available for teachers, see Courses 8, 52, 120, the evening courses, and the following:

40. Voice Training for Teachers.—W., 4:00-6:00. Mr. Van Wye
This includes discussion of problems of the school room in the care and direction of children's voices to prevent the development or confirming of speech defects.

Evening Courses

230. English Composition and Literature.—
Sec. I: Th., 7:30-9:30 Mr. Shipherd
Sec. II: Tu., 5:00-7:00 Mr. Byers

202. A Survey of English Literature.—Tu., 7:30-9:30. Mr. Phillips

233. Public Speaking.—Tu., 7:30-9:30. Mr. Van Wye

234. English Poetry of the Nineteenth Century.—M., 7:30-9:30. Mr. Cummings

236. American Literature.—W., 7:30-9:30. Mr. Byers

240. Advanced Composition.—Th., 7:30-9:30. Mr. Van Wye

GEOLOGY AND GEOGRAPHY

Professor Fenneman; Assistant Professors Bucher, Von Schlichten

For Undergraduates

1. Introduction to the Earth Sciences.—This course must be taken in connection with Course 4 (laboratory). By special agreement with the instructor in charge, students above the Freshman year may omit the laboratory course. Lec., M., W., F., 8:30-9:30. Mr. Fenneman

4. Laboratory Exercises.—To accompany Course 1. Tu., Th., 1:00-4:00. For possible sections at other hours consult instructor in charge. Mr. Bucher

9. Historical Geology.—Accepted as graduate work by agreement with the professor in charge. Lec., Tu., Th., 8:30-9:30. Prerequisite: Course 1, 2, or 14 Mr. Bucher

14. Course 14 is outlined under the heading "For Teachers." Open to college students by special agreement only with the professor in charge.

For Undergraduates and Graduates

7. Mineralogy.—Lectures and laboratory. Three credits. Tu., Th., 9:30-10:30; W., 11:30-12:30; F., 1:00-4:00. Mr. von Schlichten

8. Introductory Paleontology.—W., 3:00-5:00. Mr. Bucher

13. Special Work in Geology.—Any student in this department may, by agreement with the instructors in charge, register for individual study or investigation not described in the list of courses. Such work must be regularly supervised and approved upon examination or by the preparation of a thesis. Credit according to number of hours elected.

22. Appalachian Field Course.—Eight weeks during summer in camp. Eight credits. Mr. von Schlichten
Prerequisite: Course 1, 2, or 14

For Teachers

14. General Geology for Teachers.—Lec., S., 8:30-10:30; field or lab., 10:30-12:30. Mr. Fenneman

Evening Course

217. Introduction to World Geography.—A summary treatment of the whole world by natural divisions based largely on climate. Both physical and human relations are considered. A study of the principles of climate occupies the first two months. M., 7:30-9:30. Mr. Fenneman

GERMAN

Professors Poll, Lotspeich; Instructor Nippert

For Undergraduates

1. Elementary German.—
 Sec. I: Tu., Th., S., 8:30-9:30
 Sec. II: M., W., F., 9:30-10:30 Miss Nippert
 Course 1 is open to students who have had no German in the high school.

2. German Prose and Poetry.—
 Sec. I: M., W., F., 8:30-9:30
 Sec. II: Tu., Th., S., 9:30-10:30 Miss Nippert
 Prerequisite: Course 1 or two years of high school German
 Courses 1 and 2 do not count towards a major in German.

20. German Scientific Prose.—M., W., 11:30-12:30. Mr. Lotspeich
 Prerequisite: Course 1 or its equivalent
 Course 20 does not count towards a major in German. If taken after Course 2, Course 20 will count only as a half course.

4. Introduction to German Literature of the Eighteenth Century.—M., W., F., 9:30-10:30. Mr. Poll
 Prerequisite: Course 2 or four years of high school German
 Students in this course are urged to take a composition course in addition.

21. German Composition (intermediate course).—M., W., 11:30-12:30. Mr. Poll
 Prerequisite: Course 2
 Courses 4 and 21 may be advantageously taken together.

For Undergraduates and Graduates

5. History of German Literature to the Nineteenth Century.—Special study of the classic periods of the twelfth and eighteenth centuries. M., W., F., 10:30-11:30. Mr. Poll
 Prerequisite: Course 4

Primarily for Graduates

17. German Drama of the Nineteenth and Twentieth Centuries.—Tu., 4:00-6:00. Mr. Poll
Prerequisite: Course 5

7. Middle High German.—Th., 4:00-6:00. Mr. Poll

13a. Gothic and Germanic Philology.—*First semester*, Tu., 4:00-6:00. Mr. Lotspeich

Evening Courses

233. Elementary German.—M., 7:30-9:30. Miss Nippert

234. Intermediate German.—Th., 7:30-9:30. Mr. Lotspeich
Prerequisite: Course 233, or two years of high school German

Comparative Philology

Primarily for Graduates

15. Phonetics and Linguistics.—Tu., Th., 11:30-12:30.
Open to Seniors and graduates. Mr. Lotspeich

HISTORY

Professors *Whitcomb, McGrane (Engineering History); Associate Professor Bond; Lecturer Myers; Instructors Chambers, Urban; D. A. R. Fellow in American History: Frank Burnham Finney

For Undergraduates

1. Middle Ages—Reformation.—M., W., F., 9:30-10:30. Mr. Chambers

3. The Revolution and Napoleon.—M., W., F., 11:30-12:30. Miss Urban

13. General Course in English History.—Tu., Th., S., 10:30-11:30. Mr. Chambers

29. Ancient History to 476 A.D.—Tu., Th., 8:30-9:30. Mr. Chambers

15. General Course in American History.—
Sec. I: M., W., F., 1:00-2:00
Sec. II: Tu., Th., F., 1:00-2:00 Mr. Bond

61. English and American Constitutional History.—Tu., Th., F., 2:00-3:00. Mr. Bond
Required for pre-legal students; open to others by permission.

*Absent on leave, 1920-1921

For Undergraduates and Graduates

25. EUROPE IN THE NINETEENTH CENTURY.—From the end of the Napoleonic period to the events leading up to the Great War. Tu., Th., 9:30-10:30. Miss Urban

Recommended for students who have had History 3.

17. RECENT AMERICAN HISTORY.—M., W., F., 8:30-9:30. Mr. McGrane

20. SPAIN AND SPANISH AMERICA.—M., W., F., 10:30-11:30. Mr. Chambers

64. AMERICAN COLONIAL HISTORY.—Tu., Th., 10:30-11:30. Mr. Bond

Primarily for Graduates

39. SEMINARY IN AMERICAN HISTORY.—Open to properly qualified teachers. Seniors may be admitted. Tu., 4:00-6:00. Mr. Bond

EVENING COURSES

225. MODERN EUROPEAN HISTORY.—Th., 7:30-9:30. Miss Urban

259. SPAIN AND SPANISH AMERICA.—W., 7:30-9:30. Mr. Chambers

HISTORY OF ART

LECTURER PATTEE*

2a. ITALIAN PAINTING.—*First semester*, Tu., Th., 11:30-12:30. A study of the schools of Italian painting and their historical relations from the early Christian period to the height of the Renaissance. Illustrated lectures and required reading.

3b. NORTHERN PAINTING.—*Second semester*, Tu., Th., 11:30-12:30. A study of Flemish, Dutch, and German painting from the fifteenth to the seventeenth century. Illustrated lectures and required reading.

4a. MODERN PAINTING.—*First semester*, Tu., Th., 10:30-11:30. A study of the development of the modern schools of painting in France, Spain, and England from the seventeenth to the nineteenth century. Illustrated lectures and required reading.

4b. CONTEMPORARY ART.—*Second semester*, Tu., Th., 10:30-11:30. A study of art expression in the ninteeenth century. Illustrated lectures and required reading.
Prerequisite: Course 4a

The above courses were open to Sophomores, Juniors, and Seniors.

*Deceased

HYGIENE AND PHYSICAL EDUCATION

Professor Morrison; Instructors Nikoloff, Hillas, Dabney, Barnes, Brunhoff; Lecturer Van Buskirk; Medical Advisers Dr. Boswell, Dr. Chenoweth; Athletic Director Chambers; Assistant Barber

Phys. Ed. 1.—Practical work including swimming; two hours a week. (Required of Freshman men.)
Sec. I: M., W., 11:30-12:30
Sec. II: Tu., Th., 11:30-12:30
Sec. III: Tu., Th., 10:30-11:30 Mr. Nikoloff, Mr. Barnes

Phys. Ed. 2.—Practical work including swimming; two hours a week. (Required of Sophomore men.)
Sec. I: M., W., 10:30-11:30
Sec. II: Tu., Th., 1:00-2:00
Sec. III: M., W., 9:30-10:30 Mr. Nikoloff, Mr. Barnes

Phys. Ed. 1.—Practical work including swimming; two hours a week. (Required of Freshman women.)
Sec. I: M., W., 11:30-12:30
Sec. II: Tu., Th., 10:30-11:30
Sec. III: Tu., Th., 2:00-3:00 Miss Brunhoff, Miss Dabney

Phys. Ed. 2.—Practical work including swimming; two hours a week. (Required of Sophomore women.)
Sec. I: Tu., Th., 9:30-10:30
Sec. II: Tu., Th., 11:30-12:30
Sec. III: Tu., Th., 1:00-2:00 Miss Hillas, Miss Brunhoff

Hyg. 3b. General Hygiene.—(Required of Freshman men and women.) Lectures, readings, reports. *Second semester.* Two credits.
Sec. I: Th., S., 8:30-9:30
Sec. II: Th., S., 9:30-10:30
Sec. III: M., W., 11:30-12:30 Dr. Morrison, Dr. Chenoweth

Hyg. 4a. Individual Hygiene.—(Required of Sophomore men and women.) Lectures, readings, and reports. *First semester.* Two credits.
Sec. I: Th., S., 8:30-9:30
Sec. II: Th., S., 9:30-10:30
Sec. III: M., W., 11:30-12:30 Dr. Morrison, Dr. Chenoweth

Evening Courses

Hyg. 234. General and Individual Hygiene.—The meaning of health; the body's development and function; social and economic aspects of health; methods of controlling environment. M., 7:30-9:30. Dr. Chenoweth

PHYS. TR. A.—For women. Hygienic gymnastics. Tu., 7:30-9:30. Miss Brunhoff

PHYS. TR. B.—For men. Hygienic gymnastics. Tu., 7:30-9:30. Mr. Barnes

*MATHEMATICS

PROFESSORS HANCOCK, †SLOCUM; ASSOCIATE PROFESSORS MOORE, SMITH, KINDLE; INSTRUCTOR DAVIS; ASSISTANTS EVERSULL, WINSTON

For Undergraduates

1. ALGEBRA, TRIGONOMETRY.—Students who matriculate with *less than three units* in mathematics, and who elect mathematics, should take Course 1 or 2.
 Sec. I: M., W., F., 9:30-10:30 — Miss Winston
 Sec. II: M., W., F., 10:30-11:30 — Mr. Moore
 Sec. III: Tu., Th., S., 10:30-11:30 — Miss Winston

4. TRIGONOMETRY AND ANALYTICS.—Students who matriculate with *three or more units* in mathematics, and who elect mathematics, should take Course 3 or 4. Tu., Th., S., 9:30-10:30. Miss Eversull

50. COURSE FOR TEACHERS OF ELEMENTARY MATHEMATICS.—Review of elementary and secondary mathematics, with advanced study of mathematical principles. Tu., 4:00-6:00. Mr. Davis

2a. THE MATHEMATICAL THEORY OF STATISTICS.—*First semester*, Tu., Th., S., 9:30-10:30. Mr. Moore

2b. THE MATHEMATICS OF INVESTMENT AND FINANCE.—*Second semester*, Tu., Th., S., 9:30-10:30. Mr. Moore

3. ANALYTICAL GEOMETRY OF TWO AND THREE DIMENSIONS.—Sophomores who have taken Course 1 and Freshmen who enter with *four units* in mathematics may take Course 3. M., W., F., 9:30-10:30. Mr. Moore

5. CALCULUS. DIFFERENTIAL AND INTEGRAL.—M., Tu., Th., F., 10:30-11:30. Mr. Hancock

For Undergraduates and Graduates

15. THEORY OF EQUATIONS, INCLUDING DETERMINANTS.—M., W., F., 11:30-12:30. Mr. Hancock

*For other courses in mathematics and applied mathematics, see College of Engineering and Commerce and College for Teachers sections of this catalogue.

†Absent on leave, 1920-1921

Primarily for Graduates

38. Theory of Numbers, Part IV.—Algebraic numbers. Hilbert's theory. Tu., Th., 4:00-6:00. Mr. Hancock

29. Theory of Functions of a Real Variable.—M., W., 4:00-5:30. Mr. Moore

60. Course in Reading and Research.—Credit according to number of hours elected. Mr. Moore

Evening Courses

240. Algebra; Trigonometry.—Selected portions of algebra and elementary Theory of Equations. W., 7:30-9:30. Mr. Smith

242. Analytical Geometry and Elementary Calculus.—F., 7:30-9:30. Mr. Kindle

PHILOSOPHY

Professor Tawney; Associate Professor Hartman; Assistant Professor Crowley; Assistants Iola, Miller

1a. Introduction to Philosophy.—*First semester*, Tu., Th., S., 9:30-10:30. Mr. Hartman
Prerequisite: One year of university work

1b. Philosophical Idealism Historically and Critically Treated.—*Second semester*, Tu., Th., S., 9:30-10:30. Mr. Hartman
Prerequisite: Course 1a

2a. Introduction to Logic.—*First semester*, Tu., Th., S., 10:30-11:30.
Prerequisite: One year of university work Mr. Tawney

2b. Theory of Scientific Method.—*Second semester*, Tu., Th., S., 10:30-11:30. Mr. Tawney
Prerequisite: Course 2a

3a. History of Philosophy from the Italian Renaissance to the Time of Kant.—*First semester*, M., W., F., 8:30-9:30.
Prerequisite: One year of university work Mr. Tawney

3b. History of Modern Philosophy from the Time of Kant.—*Second semester*, M., W., F., 8:30-9:30. Mr. Tawney

5a. Ethics.—*First semester.*
Sec. I: Tu., Th., S., 10:30-11:30 Mr. Crowley
Sec. II: M., W., F., 10:30-11:30 Mr. Tawney
Sec. III: M., W., F., 1:00-2:00 Mr. Crowley
Prerequisite: Two years of university work

5b. Ethical Interpretations.—*Second semester.*
Sec. I: Tu., Th., S., 10:30-11:30 Mr. Crowley
Sec. II: M., W., F., 10:30-11:30 Mr. Tawney
Sec. III: M., W., F., 1:00-2:00 Mr. Crowley
Prerequisite: Course 5a

8a. Aesthetics.—The theory of art and the beautiful. *First semester,* Tu., Th., 11:30-12:30. Mr. Hartman
Prerequisite: Psychology 1a and 1b

8b. Aesthetics.—The theory of art and the beautiful. *Second semester,* Tu., Th., 11:30-12:30. Mr. Hartman

10. History of Science.—M., W., F., 9:30-10:30. Mr. Crowley

23. British Empiricism.—Tu., 4:00-6:00. Mr. Hartman
Prerequisite: Either Course 1 a-b, or 3 a-b, or 4 a-b

Evening Courses

222. Ethics (similar to Courses 5a and 5b).—M., 7:30-9:30. Mr. Crowley

208. History of Philosophy to Beginning of the Christian Era.—Th., 5:00-7:00. Mr. Hartman

It should be remembered that work in the Department of Philosophy is facilitated by courses in psychology, sociology, political science, general history, economics, the history of education, aesthetics, and other allied subjects dealing with human life and the products of civilization.

PHYSICS

Professors More, Allen; Instructors Evens, Richards

For Undergraduates

26a. General Physics.—*First semester,* Tu., Th., S., 11:30-12:30. Mr. More

27b. General Physics.—*Second semester,* Tu., Th., S., 11:30-12:30. Mr. Allen

N.B.—The above courses are designed for students in the College of Liberal Arts only; they may be elected in the Freshman year. Taken with Courses 2a and 22b, Experimental Physics, they satisfy the science requirement.

2a. Experimental Physics.—Laboratory work arranged to accompany Course 26a. *First semester.*
Sec. I: Tu., Th., 8:30-11:30
Sec. II: Tu., Th., 1:00- 4:00 Mr. Allen, Mr. Richards

22b. Experimental Physics.—Laboratory work arranged to accompany Course 27b. *Second semester.*
Sec. I: Tu., Th., 8:30-11:30
Sec. II: Tu., Th., 1:00- 4:00 Mr. Allen, Mr. Richards

28a. Advanced General Physics.—*First semester,* twice weekly. Mr. Allen

29b. Advanced General Physics.—*Second semester,* twice weekly. Mr. Allen

Prerequisites for Courses 28 and 29: Physics 26 and 27; Mathematics 1

4a. Intermediate Experimental Physics.—M., W., 1:00-4:00. Mr. Allen

4b. Intermediate Experimental Physics.—M., W., 1:00-4:00. Mr. Allen

Courses 4a and 4b are arranged to accompany Courses 28a and 29b.

For Undergraduates and Graduates

32a. Philosophy of Science.—Critical study of scientific thought to the Renaissance. Tu., Th., 11:30-12:30. Mr. More

32b. Philosophy of Science.—From the Renaissance to modern times. Tu., Th., 11:30-12:30. Mr. More

Courses 32a and 32b are open to all students, above the Sophomore year, who have had a course in any science. No mathematics required.

3a. Theoretical Mechanics.—*First semester,* Tu., Th., S., 11:30-12:30. Mr. Richards

18b. Theory of Electricity and Magnetism.—*Second semester,* Tu., Th., S., 10:30-11:30. Mr. Richards

The above courses may be elected for a minor in physics; the following courses for a major in graduate work.

8. Advanced Experimental Physics.—Credit according to number of hours elected. Mr. Allen, Mr. More

10. Seminary.—The reading and discussion of papers in physical journals. Tu., 4:00-6:00. Mr. More

34b. Oscillating Circuits.—Twice weekly. Mr. Gowdy

POLITICAL SCIENCE

PROFESSOR LOWRIE; ASSOCIATE PROFESSOR GARDNER; ASSISTANT KEMP

For Undergraduates

1. AMERICAN GOVERNMENT.—A survey of national, state, and local government in the United States. Intended as an introductory course in political science. M., W., F., 10:30-11:30. Mr. Gardner

8. CIVICS.—Required for prospective teachers, unless both Courses 1 and 11 are taken. Students who have taken Course 1 or 11 will receive half credit. M., W., F., 2:00-3:00.
Mr. Lowrie, Mr. Gardner

11a. MUNICIPAL GOVERNMENT.—M., W., F., 8:30-9:30. Mr. Lowrie

For Graduates and Undergraduates

2a. INTERNATIONAL LAW.—M., W., F., 9:30-10:30. Mr. Lowrie
Prerequisite: Junior standing

3a. DEVELOPMENT OF POLITICAL THOUGHT.—Tu., Th., 1:00-2:00.
Prerequisite: Junior standing Mr. Gardner

4a. POLITICAL PARTIES.—Tu., Th., 9:30-10:30. Mr. Gardner

6. PUBLIC FINANCE AND TAXATION.—M., W., 11:30-12:30.
Prerequisite: Economics 1 Mr. Lowrie

9b. EUROPEAN GOVERNMENTS.—M., W., F., 8:30-9:30.
Prerequisite: Course 1 or 8 Mr. Gardner

10b. PROBLEMS OF NATIONAL ADMINISTRATION.—Tu., Th., 9:30-10:30.
Prerequisite: Course 1 Mr. Gardner

11b. MUNICIPAL ADMINISTRATION.—M., W., F., 8:30-9:30. Mr. Lowrie

17a. ADVANCED AMERICAN GOVERNMENT.—A study of the American constitution as interpreted by the courts. M., W., F., 8:30-9:30.
Mr. Gardner

25. SEMINAR.—W., 4:00-6:00. Mr. Lowrie
To be taken only with the permission of the instructor.

EVENING COURSE

235. MODERN GOVERNMENTS.—M., 7:30-9:30. Mr. Gardner

PSYCHOLOGY

PROFESSORS BREESE, SECHRIST; ASSISTANT PROFESSOR TALBERT; INSTRUCTOR DISERENS; ASSISTANTS HIER, BUTTENWIESER

For Undergraduates

1a. INTRODUCTORY PSYCHOLOGY.—*First semester*, M., W., F., 10:30-11:30. Mr. Breese

1b. A continuation of 1a.—*Second semester*, M., W., F., 10:30-11:30. Mr. Breese

ED. 4a. PSYCHOLOGY OF SCHOOL SUBJECTS.—*First semester*, M., W., F., 2:00-3:00. Mr. Sechrist

For Undergraduates and Graduates

2a. EXPERIMENTAL PSYCHOLOGY.—*First semester*, M., W., F., 2:00-4:30. Mr. Diserens

2b. A continuation of 2a.—*Second semester*, M., W., F., 2:00-4:30. Mr. Diserens

*9. MENTAL AND PHYSICAL TESTS.—Laboratory work with collateral reading. Two credits a semester. Tu., 3:00-5:00. Mr. Breese

20a. PSYCHOLOGY OF PRIMITIVE PEOPLES.—*First semester*, Th., 4:00-6:00. Mr. Talbert

20b. PSYCHOLOGY OF PRIMITIVE PEOPLES.—*Second semester*, Th., 4:00-6:00. Mr. Talbert

34a. APPLIED PSYCHOLOGY.—Forms of behavior and factors in human efficiency. *First semester*, Tu., Th., 1:00-2:00. Mr. Diserens

34b. APPLICATIONS OF PSYCHOLOGY IN SPECIAL FIELDS.—*Second semester*, Tu., Th., 1:00-2:00. Mr. Diserens

Primarily for Graduates

3. RESEARCH. Mr. Breese

EVENING COURSES

230. INTRODUCTORY PSYCHOLOGY.—Tu., 7:30-9:30. Mr. Breese

232. SOCIAL PSYCHOLOGY.—M., 5:00-7:00. Mr. Talbert

234. APPLIED PSYCHOLOGY.—Th., 7:30-9:30. Mr. Diserens

*In connection with this course, the department maintains a psychological clinic on Tuesday mornings from 9:00 to 12:30. Students in Psychology 9 may by special arrangement observe the work of the clinic.

ROMANCE LANGUAGES

PROFESSOR OGDEN; ASSISTANT PROFESSORS HUBERT, BROWN; INSTRUCTORS PASSARELLI, KINNE

FRENCH

For Undergraduates

1. ELEMENTARY FRENCH.—
 Sec. I: M., W., F., 8:30- 9:30 — Mr. Ogden
 Sec. II: M., W., F., 8:30- 9:30 — Mr. Kinne
 Sec. III: Tu., Th., S., 11:30-12:30 — Mr. Kinne
 Sec. IV: Tu., Th., S., 11:30-12:30 — Mr. Hubert
 Sec. V: Tu., Th., S., 10:30-11:30 — Mr. Passarelli
 Course 1 is open to students who have had no preparation in French.

2. INTERMEDIATE FRENCH.—
 Sec. I: M., W., F., 9:30-10:30 — Mr. Ogden
 Sec. II: M., W., F., 9:30-10:30 — Mr. Kinne
 Sec. III: Tu., Th., S., 9:30-10:30 — Mr. Kinne
 Sec. IV: M., W., F., 9:30-10:30 — Mr. Passarelli
 Prerequisite: Course 1 or two years of high school French

11. FRENCH LITERATURE IN THE NINETEENTH CENTURY.—M., W., F., 10:30-11:30. — Mr. Hubert
 Prerequisite: Course 2 or four years of high school French

3. FRENCH COMPOSITION.—Tu., Th., 10:30-11:30. — Mr. Hubert
 With the permission of the instructor.
 Prerequisite: Course 2 or three years of high school French

20. FRENCH SCIENTIFIC PROSE.—For pre-medical students primarily. M., W., 11:30-12:30. — Mr. Hubert

16. FRENCH CONVERSATION.—Tu., Th., S., 11:30-12:30. Two credits. — Mr. Ogden

For Undergraduates and Graduates

4. FRENCH DRAMA IN THE SEVENTEENTH CENTURY.—Tu., Th., 9:30-10:30. — Mr. Ogden
 Prerequisite: Course 11

5. FRENCH DRAMA IN THE NINETEENTH CENTURY.—M., W., 11:30-12:30. — Mr. Kinne
 Prerequisite: Three years of high school preparation or its equivalent

24. NINETEENTH CENTURY POETS.—Tu., 4:00-6:00. — Mr. Brown
 Prerequisite: Course 4 or 11

25. DEVELOPMENT OF THE FRENCH NOVEL.—Tu., Th., 9:30-10:30. — Mr. Ogden

For Teachers

30. Intermediate French.—One credit a semester for a B.S.
Mr. Passarelli

24. Course 24, outlined above, is open by permission to teachers as well as to regular students.

Teachers who are pursuing graduate studies and are qualified to do advanced work in the Romance languages may elect courses from the above upon advice from the head of the department, with an arrangement for additional work.

Evening Courses

233. Elementary French.—Tu., 7:30-9:30. Mr. Hubert

235. Intermediate French.—M., 7:30-9:30. Mr. Ogden

Spanish

For Undergraduates

6. Elementary Spanish.—
Sec. I: M., W., F., 9:30-10:30 Mr. Passarelli
Sec. II: Tu., Th., S., 11:30-12:30 Mr. Brown
Sec. III: M., W., F., 9:30-10:30 Mr. Brown

10. Intermediate Prose.—M., W., F., 1:00-2:00. Mr. Passarelli

18. Spanish Composition.—Tu., Th., 1:00-2:00. Mr. Passarelli
Only by permission of the instructor.
Prerequisite: Two years of college Spanish or its equivalent

14. Nineteenth Century Prose and Verse.—M., W., F., 2:00-3:00.
Prerequisite: Course 10 Mr. Brown

For Undergraduates and Graduates

8. Cervantes (*Don Quixote*) and Calderon.—Th., 4:00-6:00.
Mr. Brown

Evening Courses

232. Elementary Spanish.—F., 7:30-9:30. Mr. Brown

234. Intermediate Spanish.—W., 7:30-9:30. Mr. Brown

236. Advanced Spanish.—W., 7:30-9:30. Mr. Passarelli

Italian

For Undergraduates

7. Elementary Italian.—M., W., F., 8:30-9:30. Mr. Hubert

For Undergraduates and Graduates

15. Italian Literature in the Nineteenth Century.—M., W., 10:30-11:30. Mr. Passarelli

SOCIAL SCIENCE

No courses were given during the session 1920-1921.

*ZOOLOGY

Professor Wieman; Assistant Professors Day, Box

In the advanced courses training in physics and chemistry, as well as ability to read French and German, is expected. Special facilities are afforded students pursuing courses of research.

Students who desire to be recommended as teachers of zoology in secondary schools must complete as a minimum Courses 1, 2, 5, 13a, 14a, 17a, 18a, 19b, and 20b. It is very desirable that they also do at least one year of graduate work.

For Undergraduates

1. Animal Biology.—This course must be accompanied by Course 2. M., W., F., 9:30-10:30. Mr. Wieman

2. Animal Biology, Laboratory.—Practical laboratory and field work to accompany Course 1.
 Sec. I: M., W., 1:00- 4:00
 Sec. II: Tu., Th., 1:00- 4:00
 Sec. III: Tu., Th., 8:30-11:30 Miss Box

5. Evolution and Heredity.—M., W., 11:30-12:30. Mr. Wieman
 Prerequisite: Courses 1 and 2

13a. Elementary Physiology.—This course must be accompanied by Course 14a. *First semester*, Tu., Th., 8:30-9:30. Mr. Day
 Prerequisite: Zoology 1, 2; or Chemistry 1a, 2a, 3b, 4b

*Properly qualified Juniors and Seniors in the College of Liberal Arts may elect courses in anatomy, bacteriology, pathology, pharmacology, and physiology in the College of Medicine, and may count these courses towards fulfilling the requirements for the A.B. degree.

14a. Elementary Physiology, Laboratory.—Experimental laboratory work designed to accompany Course 13a. *First semester*, Tu., Th., 1:00-4:00. Mr. Day

8. Principles of Physiology.—*Second semester*, M., W., 8:30-9:30. Prerequisite: Courses 1, 2 Mr. Day

17a. Comparative Anatomy of Vertebrates.—This course must be accompanied by Course 18a. *First semester*, M., W., 10:30-11:30. Mr. Day
Prerequisite: Courses 1, 2

18a. Comparative Anatomy of Vertebrates, Laboratory.—The work consists in the careful dissection and study of selected forms to accompany Course 17a. *First semester*, M., W., 1:00-4:00. Mr. Day

19b. Embryology of Vertebrates.—This course must be accompanied by Course 20b. *Second semester.*
Sec. I: M., W., 10:30-11:30 Mr. Wieman
Sec. II: Tu., Th., 1:00-2:00 Mr. Day
Prerequisite: Courses 1 and 2, or 13a and 14a

20b. Embryology of Vertebrates, Laboratory.—Laboratory work to accompany Course 19b. *Second semester.*
Sec. I: Tu., Th., 2:00-5:00 Mr. Day
Sec. II: M., W., 1:00-4:00 Mr. Day
Sec. III: Tu., Th., 8:30-11:30 Mr. Day

For Undergraduates and Graduates

10a. Microscopical Technique.—Two or three credits. *First semester*, Tu., Th., 9:30-12:30. Mr. Wieman
Prerequisite: Courses 1, 2

10b. Cytology.—Two or three credits. *Second semester*, Tu., Th., 9:30-12:30. Mr. Wieman
Prerequisite: Course 10a

29. Advanced Zoology.—A laboratory course dealing with special problems for advanced students. Two or three credits. Mr. Wieman, Mr. Day

Primarily for Graduates

31. Research.—Credit according to number of hours elected. Mr. Wieman

32. Seminary.—Reading and discussion of papers in zoological journals. One credit. M., 4:00. Mr. Wieman

EXTENSION COURSES

SUMMER

JUNE 21—JULY 31, 1920

BOTANY

350. FIELD AND LABORATORY BOTANY. Mr. Wilson

ENGLISH

325. AMERICAN LITERATURE. Mr. Byers
330. ENGLISH COMPOSITION AND LITERATURE. Mr. Byers

HISTORY

363. THE PEACE TREATIES. Mr. Griffith
364. EUROPE SINCE 1862. Mr. Griffith

PHILOSOPHY

375. ETHICS. Mr. Crowley
376. MENTAL TESTS. Mr. Crowley

PSYCHOLOGY

300. SOCIAL UNITY AND AMERICANIZATION. Mr. Talbert

ROMANCE LANGUAGES

310. ELEMENTARY FRENCH. Mr. Kinne
311. ELEMENTARY SPANISH. Mr. Kinne

WINTER

OCTOBER 4, 1920—MAY 6, 1921

BOTANY

DENDROLOGY. Mr. Benedict

ENGLISH AND COMPARATIVE LITERATURE

320. STUDIES IN CONTEMPORARY LITERATURE. Mr. Chandler

HYGIENE AND PHYSICAL EDUCATION

300. PERSONAL AND GENERAL HYGIENE. Mr. Morrison

POLITICAL SCIENCE

INTERNATIONAL POLITICS. Mr. Lowrie

COLLEGE FOR TEACHERS

ORGANIZATION

The College for Teachers is organized under the joint management of the Board of Directors of the University and the Board of Education of the city of Cincinnati.

The general oversight of the college is in charge of a Joint Committee consisting of the President of the University, a member of the Board of Directors, the Superintendent of Schools, and a member of the Board of Education.

JOINT COMMITTEE

FREDERICK CHARLES HICKS, PH.D. President of the University
ERWIN O. STRAEHLEY, M.D. . . Member of the Board of Directors of the University
RANDALL JUDSON CONDON, A.M., LL.D. Superintendent of Cincinnati Schools
SAMUEL ACH Member of the Board of Education

FACULTY AND STAFF OF INSTRUCTION

FREDERICK CHARLES HICKS, PH.D. President of the University
RANDALL JUDSON CONDON, A.M., LL.D. Superintendent of Cincinnati Schools
WILLIAM PAXTON BURRIS, A.M., L.H.D. Professor of Education and Dean of the College for Teachers
ALFRED LAWRENCE HALL-QUEST, A.M. Professor of Education
FRANK K. SECHRIST, PH.D. Professor of Education
DAVID JAMES MACDONALD, A.M. Professor of Vocational Education
MARY ALMA SMITH, B.S. Professor of Home Economics
BURTIS BURR BREESE, PH.D. Professor of Psychology
*STEPHEN ELMER SLOCUM, B.E., PH.D. . . Professor of Applied Mathematics
NEVIN M. FENNEMAN, PH.D. Professor of Geology and Geography
GUY ALLAN TAWNEY, PH.D. Professor of Philosophy
HARRIS MILLER BENEDICT, PH.D. Professor of Botany
SELDEN GALE LOWRIE, PH.D. Professor of Political Science
WHITELAW REID MORRISON, A.M., M.D. . . Professor of Hygiene and Physical Education
CLARENCE ORAN GARDNER, PH.D. . . Associate Professor of Political Science
FRANCES JENKINS, B.S. Assistant Professor of Education
ALMA SAUER DEARMOND, B.S. . . Assistant Professor of Home Economics
L. GLADYS MCGILL, B.S. Assistant Professor of Home Economics
L. A. FLAGLER, A.B. Assistant Professor of Vocational Education

*Absent on leave, 1920-1921

Sylvia Sicha, A.B. Assistant Professor of Vocational Education
Walter H. Bucher, Ph.D. Assistant Professor of Geology
William A. Crowley, Ph.D. Assistant Professor of Philosophy
Edgar F. Van Buskirk, A.M. Lecturer on Hygiene
Estaline Wilson, A.M. Supervisor
Grace Anna Fry, B.S. Supervisor
Boyd B. Chambers, A.B. Director of Athletics
Grace M. Boswell, M.D. Medical Examiner for Women
Laurence B. Chenoweth, M.D. Medical Examiner for Men
Mary Margaret Todd, B.S. Instructor in Home Economics
Wilhelmine F. Deitemeier, B.S. Instructor in Home Economics
Marjorie Hillas, A.M. Instructor in Physical Education
Katherine B. Dabney, A.M. Instructor in Physical Education
Gerald Barnes, A.M. Instructor in Physical Education
Oliver Mumford Nikoloff, A.B. Instructor in Physical Education
*Dorothy Duke, B.S. Instructor in Physical Education
Sophie W. Brunhoff, A.B. Instructor in Physical Education
Anita Schreck Williams, B.S. Instructor in Physical Education
George E. Davis, A.M. Instructor in Mathematics
Florinne M. Vatter, B.S. Critic Teacher in Vocational Home Economics
Clare G. Sharkey Sub-Director of Vocational Education
E. Lucy Braun, Ph.D. Instructor in Botany
Phoebe M. Kandel, R.N. Instructor in Nursing and Health
Robert Edward Hundley, B.M.E. Instructor in Applied Mathematics
Frederick M. Holder Trade Drawing
Clayton M. Howe, A.B. Trade Science
Clarence R. Walker, B.S. Trade Mathematics
Edgar P. Bengert, A.M. Trade English

Cooperating Teachers in the Cincinnati Public Schools (1920-1921):

Mary L. Perkins Spanish, East Side High School
R. G. Wilbur Mathematics, Woodward High School
Bertha Evans Ward English, Hughes High School
Elizabeth Bogle English, Hughes High School
Alice M. Donnelly Latin, East Side High School
Edythe Steinkamp Bloom Junior High School
Edith Reilly Fifth Grade, Raschig School
Nellie Marsh Fourth Grade, Rothenberg School
†Viola N. Hall, ‡Pearl Wright Third Grade, Cummins School
Anna C. Martin First Grade, Fairview School
†Mrs. Laura Knight Sixth Grade, Stowe School
‡Louise Minnes Third Grade, Stowe School
‡Ella von der Halben First Grade, 28th District

*Absent on leave, 1920-1921
†To Feb. 1, 1921
‡From Feb. 1, 1921

Members of the Staff of the Cincinnati Kindergarten Training School:

LILLIAN H. STONE Principal
MATILDA M. REMY Associate Principal
FRANCES A. LEVOY Instructor
MRS. W. E. LEWIS Physical Training
GLADYS SELLEW Instructor
JOHN JEROME THOMPSON Art

PROGRAMS OFFERED

PROGRAM I.—*Leading to a Graduate Diploma in Education, and to both Elementary and High School State Provisional Certificates.*

All students who complete this program in a satisfactory manner will be eligible to the preferred list from which appointments to positions in the elementary schools of Cincinnati are made; those who are exceptionally well qualified for teaching in high schools will be eligible to the preferred list from which appointments to positions in the high schools of Cincinnati are made.

This program may be completed in a single year by graduates of the McMicken College of Liberal Arts, or of other recognized colleges, provided such graduates have included the equivalent of the following courses in their undergraduate studies:

Psychology 1a and 1b, or Psychology 11a and 11b
Philosophy 5a and 5b
Political Science 8
*Education 1, 2a, 2b, 4a and 4b

Required Work:

Education 3p
Education 5
Approved electives

Students pursuing this program will receive pay for student-teaching on the basis of the amount of teaching assigned. The maximum assignment will be half-time throughout the year, for which the pay will be $600.

Upon completion of this program in a satisfactory manner a graduate, if accepted for appointment to a regular position in the Cincinnati elementary schools, will receive an initial salary of $1300, with an annual increase of $100 until a maximum of $2000 is reached; if accepted for appointment to a regular position in the Cincinnati high school service, the initial salary will be $1500, with an annual increase of $100 until a maximum of $2800 is reached.

PROGRAM II.—*For students who are planning to be Teachers of Hygiene and Physical Education.*

This program leads to the degree of Bachelor of Science in the College for Teachers, to a State Provisional Special Certificate in Physical Education, and to the Preferred List from which teachers of physical education in the schools of Cincinnati are appointed.

*These courses satisfy the requirement of "major distributed credits" in connection with any "major subject" in the McMicken College of Liberal Arts.

First Year		Third Year	
Subjects	*Credit Hours*	*Subjects*	*Credit Hours*
English 1	6	Education	6
Modern Language	6	Physical Education	23
Zoology, Chem., or Botany	10	English	4
History	6		
Hygiene and Phys. Ed.	4		
Total	32	Total	33

Second Year		Fourth Year	
English	4	Physical Education	22
Modern Language	6	Practice Teaching	6
Psychology	6	Electives	4
Social Science	6		
Hist., Econ., or Pol. Science,	6		
Hygiene and Phys. Ed.	4		
Total	32	Total	32

PROGRAM III.—*For students who are planning to be Dietitians or Teachers of Home Economics.*

This program leads to the B.S. degree in the College for Teachers, to a State Provisional Special Certificate, and to a Preferred List from which Home Economics teachers for the Cincinnati schools are appointed. Also to a State Certificate for teaching Vocational Home Economics.

First Year		Third Year	
Subjects	*Credit Hours*	*Subjects*	*Credit Hours*
English	6	Home Economics	22
Chemistry	10	Education	6
Hygiene and Gymnasium	2	Accounting	3
Home Economics	11		
Total	29	Total	31

Second Year		Fourth Year	
Chemistry	8	Home Economics	19
Zoology	4	Education	6
Botany	4	Civics	6
Economics	6		
Home Economics	12		
Total	34	Total	31

PROGRAM IV.—*For students who are planning to be Kindergarten Directors.*

This program leads to the B.S. degree in the College for Teachers, to a State Provisional Special Certificate, and to the Preferred List from which Kindergarten directors for the Cincinnati schools are appointed.

First Year		Second Year	
Subjects	*Credit Hours*	*Subjects*	*Credit Hours*
English 1 and 3, 9 or 25	10	English	4
Foreign Language	6	Foreign Language	6
Mathematics	6	Science	10
History	6	History	6
Hygiene and Gymnasium	2	Psychology	6
		Hygiene and Gymnasium	2
Total	30	Total	34

Third and Fourth Years

Subjects	*Credit Hours*
Kindergarten Courses	21
Observation and Practice	15
Education	12
Electives	12
Total	60

PROGRAM V.—*For students who are planning to be Institutional Managers.*

This program leads to a Diploma in the College for Teachers.

Those inexperienced in home or institutional management must be at least twenty-five years of age. They must be graduates of accredited high schools, or satisfy the Committee on Admission that an equal amount of work has been covered. They must have a fundamental knowledge of cooking. If not adequately prepared, they must take a non-credit course in cookery during the first semester in the University.

First Year		Second Year	
Subjects	*Credit Hours*	*Subjects*	*Credit Hours*
English	6	Economics	6
Hygiene and Phys. Ed.	2	Psychology	6
Accounting	3	Zoology	5
Home Economics	19	Home Economics	16
Total	30	Total	33

PROGRAM VI.—*For experienced persons in trades and industries who are planning to be Teachers of Trades.*

This program leads to a State Provisional Special Certificate valid for four years, to teach specified trades.

Before entering upon this program, tradesmen must have had at least two years of experience beyond the apprentice stage in a given trade or a related trade, and they must have completed an elementary school course or its equivalent.

First Year		Second Year	
Subjects	*Credit Hours*	*Subjects*	*Credit Hours*
Trade English	2	Trade Analysis and Theory of Teaching Trades with Observation	3
Trade Mathematics	2	Trade Practice Teaching	4
Trade Drawing	2	Theory and Administration of Voc. Ed.	1
Trade Science	2		
Total	8	Total	8

PROGRAM VIII.—*For persons who are planning to be Teachers of Retail Selling Courses.*

This program leads to a State Provisional Special Certificate, valid for four years, to teach retail selling subjects.

For admission to this program, one of the following requirements must be met: (a) graduation from an approved college or a four-year normal school course; (b) completion of three years of approved collegiate work; (c) completion of work required for a teacher's state certificate and two years of successful teaching experience.

Note: At least two months' preliminary salesmanship experience in a retail store is required in all cases.

First Semester		Second Semester	
Subjects	*Credit Hours*	*Subjects*	*Credit Hours*
Retail Salesmanship	4	Store Organization and System	4
H. E. 23-A Textiles	3	Textile Chemistry and Non-Tex.	3
Economics of Retailing	4	Education 103	2
Education 103	2	Observation and Practice Teaching	4
Total	13	Total	13

PROGRAM IX.—*For foremen who wish to qualify as Shop Instructors in industrial plants.*

NOTE: Until this type of work is standardized, it is impossible to state the exact number of credit hours per subject. The distribution will be approximately as follows:

Subjects	*Credit Hours*
Job Analysis	1
Principles and Practice of Instruction	1
Managing Men	1
Trade Mathematics and Drawing	1
TOTAL	4

PROGRAM X.—*For industrial executives who wish to qualify as Leaders of Foremanship Classes.*

NOTE: This course is not yet sufficiently standardized to make possible even an approximate distribution of credit hours. It consists of the following units:

Subjects

Analyzing and Charting the Foreman's Job
Determining Content of Foreman Courses
How to Organize and Present Subject-matter
How to Organize and Conduct Foremanship Classes

OTHER PROGRAMS

For those fitting themselves for positions as instructors in education, supervisors, critic teachers, or administrators in educational positions requiring experience and advanced study. To meet the needs of this class of students appropriate opportunity is given in advanced courses in education, including seminar work, such courses counting in partial fulfillment of the requirements for the higher degrees conferred upon recommendation of the faculty of the Graduate School.

COURSES FOR TEACHERS IN SERVICE

Special courses are offered to teachers in Cincinnati and vicinity and are given on Saturdays and at hours during the week which do not conflict with the duties of the classroom. Many of these courses are taken by teachers in the Cincinnati Public Schools for "Professional Credit," and a special announcement of such courses is prepared from year to year for the convenience of teachers in planning their work.

These courses are listed in two groups,—Group I consists of courses given by the University; Group II consists of courses given by the Public School staff or by persons connected with other institutions in the city. The rules governing credit for courses in each of the two groups are indicated below:

Group I

(University Credit Courses)

Professional Credit.—Properly qualified teachers may enroll in any of the University courses and receive "Professional Credit" in the office of the Superintendent of the Cincinnati Schools, as follows:

One credit for regular attendance and a satisfactory mark given by the instructor, based upon a well-kept notebook containing the teacher's notes on the course.

Two credits for regular attendance, a well-kept notebook, and a passing mark obtained in the instructor's examinations upon the course.

No credit will be allowed for attendance only, and no teacher can obtain more than two professional credits in any one year.

University Credit.—Such credit to the amount indicated in the University catalogue will be allowed for satisfactory completion of any of the courses scheduled.

Group II

(Given by Members of the Public School Staff and Others)

Professional Credit.—Teachers enrolled in any of these courses will receive "Professional Credit" in the office of the Superintendent of the Cincinnati Schools, as follows:

One credit for regular attendance and a satisfactory mark given by the instructor, based upon a well-kept notebook containing the teacher's notes on the course.

Two credits for regular attendance, a well-kept notebook, and a passing mark obtained in the instructor's examinations upon the course.

No credit will be allowed for attendance only, and no teacher can obtain more than two professional credits in any one year.

Length of Course.—The course scheduled in this group must provide for at least twenty-four hours of class attendance. A half course must provide for at least twelve hours of class attendance. The amount of "Professional Credit" to be allowed, under conditions specified above, will be calculated on this basis.

University Credit.—The University does not grant credit towards any of its degrees or diplomas for any of the courses scheduled in this group.

CONFERENCES

Several conferences, individual and with groups, are conducted by members of the staff throughout the year for the purpose of assisting teachers in the city schools.

APPOINTMENT COMMITTEE

The Appointment Committee offers its services, without charge, to students seeking appointment to educational positions for which they are properly qualified. The Dean of the college, as chairman, is assisted by other members of the faculty who are familiar with the students' work.

COURSES OF INSTRUCTION

1920-1921

The following is the list of courses offered for the year 1920-1921. Certain of these courses are required of candidates for the first or preferred list of persons eligible to appointment in the Cincinnati schools. Others are intended to meet the needs of advanced students of education, as well as of teachers of experience. Courses which are prerequisite to the pursuit of the various professional programs for teachers are also included in this Announcement, but with this exception only those which are primarily professional in character will be found here. All courses given in the University, many of which are semi-professional in character, are open to properly qualified students in the College for Teachers. (See the Announcement of the McMicken College of Liberal Arts.)

EDUCATION AND TEACHING

Professors Burris, Hall-Quest, Sechrist; Assistant Professor Jenkins

Ed. 1. European Background and Public Education in the United States.—Open to Juniors. Required of all students who are preparing to teach. M., W., F., 9:30-10:30. Mr. Burris

Ed. 2a. Teaching in Elementary Schools.—Open to Seniors. Required of all students who are preparing to teach in regular positions in elementary schools. *First semester.* Tu., Th., 8:30-9:30, and one hour observation a week, to be arranged. Miss Jenkins

Ed. 2b. Teaching in High Schools.—Open to Seniors. Required of all students who are preparing to teach in regular positions in high schools. *Second semester.* Tu., Th., 8:30-9:30, and one hour observation a week, to be arranged. Mr. Hall-Quest

Ed. 3p. Student-teaching.—Part-time teaching for a year under the systematic supervision of cooperating teachers in accordance with one of the following plans:

(a) Two student-teachers on half-time, carrying a high school assignment of six periods a day

(b) A student-teacher carrying a part-time high school assignment of one to three periods a day

(c) Two student-teachers on half-time, carrying a full daily program of an elementary grade

(d) Two pairs of student-teachers on half-time assignments, carrying the full daily programs of two rooms in the elementary schools

Ed. 4a. Educational Psychology.—Open to Seniors. *First semester*, M., W., F., 10:30-11:30. Mr. Sechrist

Ed. 4b. Educational Economy.—Open to Seniors. *Second semester*, M., W., F., 10:30-11:30. Mr. Sechrist

Ed. 5. Practicum.—The preparation and discussion of lesson plans; the discussion of problems of teaching and discipline arising in the experience of student-teachers; the reading and evaluation of books and articles on the teaching of the various subjects; the consideration of methods of testing, recording and reporting progress in school and class management; conferences with members of the public school staff and University departments. Open to student-teachers. Tu., Th., 4:00-5:30.

Group I: For student-teachers in lower grades. Miss Jenkins

Group II: For student-teachers in upper grades. Mr. Sechrist

Group III: For student-teachers in high school grades. This group will meet with Ed. 103 on Tuesdays. Mr. Hall-Quest

Ed. 6. Project-Problem Teaching in the Elementary Schools. For teachers in service. S., 10:30-12:00. Miss Jenkins

Ed. 23. Educational Psychology.—A course similar to Education 4a and open to teachers in service as well as students pursuing various professional programs. S., 9:00-10:30. Mr. Sechrist

Ed. 27. Special Problems in Teaching.—W., 4:00-5:00.
1920-21. Language Miss Jenkins
Prerequisite: Education 14 or 19, or the equivalent

Ed. 28. Primary Methods.—Limited to kindergarten students.
Miss Remy

For Graduates

Ed. 101. Studies in History and Philosophy of Education.—From time to time this course will be devoted to a critical study of modern educational theories contained in the writings of educators whose influences are felt in current educational opinion and practice. A thesis will be required. Th., 4:00-5:30. Mr. Burris
1920-21. Froebel and Dewey

Ed. 103. Secondary Education.—Function of the high school; programs of study; curriculum making; lesson types; place of high school in American education; the high school teacher; pupil management; educational significance of the various studies. Tu., 4:00-6:00. Mr. Hall-Quest

Ed. 104. The Problems of English in the Secondary School.—A consideration of the principles underlying courses in oral and written composition and literature. S., 8:30-10:30.
Mr. Hall-Quest

Ed. 107. School Supervision.—Open to principals, assistant principals, and teachers of experience. A thesis will be required. Tu., 4:00-5:30. Mr. Burris

Ed. 109a. The Junior High School Movement.—A study of the historical development of the junior high school; types of junior high schools; administrative problems; curriculum making; unsolved problems; general meaning. W., 4:00-6:00. Mr. Hall-Quest

Ed. 109b. The Psychology and Supervision of Study.—A consideration of the psychological principles involved in studying; problems of technic; typical organizations; a review of the results as recorded in comprehensive literature on supervised study. W., 4:00-6:00. Mr. Hall-Quest

Ed. 110. Experimental Education.—A course of original investigation in which each student chooses a topic, subject to approval by the instructor, and pursues his problem throughout the year in the related current literature and experimental results published in English and other modern languages. This course will also involve a critical study of the so-called progressive movements in education as represented by the various types of experimental schools established in this and other countries. W., 4:00-6:00. Mr. Sechrist

Ed. 112. Measurement of Results in Education.—Intended for those persons who wish to acquaint themselves with modern methods of giving tests and measuring the results of teaching. S., 10:30-12:00. Mr. Burris

COURSES IN LIBERAL ARTS DEPARTMENT

Bot. 3. Plant Ecology.—Adaptations of plants to environmental conditions. Lectures on the typical vegetation of climatic zones of the earth, and on the plant societies of the Cincinnati region. Tu., Th., 1:00-2:00. Mr. Benedict

Bot. 4. Plant Ecology Laboratory.—Laboratory and field work. Tu., Th., 2:00-4:00, with four additional field trips during the year. Miss Braun

Bot. 5. Systematic Botany.—One lecture, with one laboratory or field trip a week, on the recognition and relationship of the local plants. Miss Braun

Geol. and Geog. 14. General Geology for Teachers.—Lec., S., 8:30-10:30; field or lab., 10:30-12:30. Mr. Fenneman

Hist. 15. General Course in American History.
Sec. I: M., W., F., 1:00-2:00.
Sec. II: Tu., Th., F., 1:00-2:00 Mr. Bond

MATH. 26. HISTORY AND TEACHING OF MATHEMATICS.—Required of Seniors and graduates who expect to teach mathematics in the secondary schools, and recommended to all students who expect to teach mathematics in the 6th, 7th, or 8th grades. W., 4:00-5:00; F., 4:00-6:00. Mr. Slocum

MATH. 50. COURSE FOR TEACHERS OF ELEMENTARY MATHEMATICS. Review of elementary and secondary mathematics, with advanced study of mathematical principles. Required in the Junior or Senior year of all students who expect to teach mathematics in the 6th, 7th, or 8th grade of the elementary schools, unless such students have taken Mathematics 1 in the College of Liberal Arts. Tu., 4:00-6:00. Mr. Davis

PHIL. 5a. ETHICS.—*First semester.*

Sec. I:	Tu., Th., S., 10:30-11:30	Mr. Crowley
Sec. II:	M., W., F., 10:30-11:30	Mr. Tawney
Sec. III:	M., W., F., 1:00-2:00	Mr. Crowley

Prerequisite: Two years of university work

PHIL. 5b. ETHICAL INTERPRETATIONS.—*Second semester.*

Sec. I:	Tu., Th., S., 10:30-11:30	Mr. Crowley
Sec. II:	M., W., F., 10:30-11:30	Mr. Tawney
Sec. III:	M., W., F., 1:00-2:00	Mr. Crowley

Prerequisite: Course 5a

POL. SCI. 8. CIVICS FOR TEACHERS.—For students who intend to teach. M., W., F., 2:00-3:00. Mr. Lowrie, Mr. Gardner

PSYCH. 11a. EDUCATIONAL PSYCHOLOGY.—Open to students who are preparing to teach. *First semester.* M., W., F., 3:00-4:00. Mr. Breese

PSYCH. 11b.—A continuation of Psychology 11a. *Second semester.* M., W., F., 3:00-4:00. Mr. Breese

PSYCH. 9. MENTAL AND PHYSICAL TESTS.—Laboratory methods. Two credits a semester. Tu., 3:00-5:00. Mr. Breese

In connection with Course 9, the department maintains a psychological clinic on Tuesday mornings from 9:00 to 12:30. Students in Psychology 9 may by special arrangement observe the work of the clinics.

HOME ECONOMICS

PROFESSOR SMITH; ASSISTANT PROFESSORS MCGILL, DE ARMOND; INSTRUCTORS TODD, DEITEMEIER; CRITIC TEACHER VATTER

The Department of Home Economics occupies the second and third floors of the Woman's Building of the University, and has splendidly

equipped classrooms, laboratories, and offices for conducting its work. Lunchrooms, home economics centers in the Cincinnati public schools, and other institutions of the city provide unsurpassed opportunities for practical work.

An appropriation has been made by the Ohio State Board to maintain a practice house. The students live in this house and obtain their home management experience under the direction of a resident instructor. A fee is charged for running expenses.

Courses are offered in home economics subjects to meet the needs of the following classes of persons:

1. Those who wish to qualify for a state teacher's certificate in vocational home economics as provided by the Ohio State Board of Education in accordance with the Smith-Hughes Act of Congress;

2. Those who wish to qualify for a state teacher's certificate in home economics as ordinarily taught in public and private schools;

3. Those who are preparing for positions as dietitians in hospitals involving an understanding of the problem of nutrition and the instruction of nurses;

4. Those who are preparing for the management of tea-rooms, lunchrooms, cafeterias, and dormitories;

5. Those who wish to have thorough modern training for home making;

6. Those women students in the University, including those expecting to teach, who wish to elect certain courses in home economics which are indispensable in a well-balanced curriculum for college women.

7. Evening courses in home economics for teachers who wish to take the same for professional credit will be offered, if classes containing not fewer than ten members are organized.

The following courses in home economics are recommended to students in the College of Liberal Arts and in the College for Teachers. These courses are of interest to all women in the University, regardless of whether they expect to teach home economics or not. Students in the College of Liberal Arts who wish to receive credit for any of the following courses in partial fulfillment of the requirements for a degree should make application for permission so to count them to the faculty of that college: H. E. 20a, 23a, 61a, 1b, 2a, 21a, 25a, 40b.

Foods and Nutrition

H. E. 1b. Principles of Cookery.—Purpose of course to give a working knowledge of the principles of cookery. It deals with selection, preparation, and methods of cooking various types of food that are ordinarily served in the home. *Second semester.* Three credits. Lec., Tu., Th., 1:00-2:00; lab., Tu., Th., 2:00-4:00. Fee, $10. Miss Deitemeier

H. E. 2a. Advanced Practice.—Continuation of H. E. 1b. Three credits. *First semester.* Lec., W., F., 1:00-2:00; lab., W., F., 2:00-4:00. Fee, $10. Miss Deitemeier

H. E. 3b. Advanced Food Study.—A course dealing with more complicated cookery processes, making of menues, table service, marketing, and practice in demonstration work. Three credits. *Second semester.* Lec. and lab., Tu., Th., 1-00:4:00. Fee, $10. Mrs. DeArmond
Prerequisite: H. E. 1b, 2a

H. E. 4a. Experimental Cookery.—Practical comparison in methods of use, food value, and cost, of material that may be used interchangeably. Three credits. Fee, $10. Miss Smith
Prerequisite: H. E. 1b, 2a

H. E. 5a. Large Quantity Cookery.—This course is designed to give practice in handling materials in large quantities for the large or small institution. It will include planning and serving luncheons of varying costs to groups of people. *First semester.* Three credits. Lec. and lab., Tu., Th., 9:30-10:30. Fee, $4. Miss Smith

H. E. 6a. Elements of Nutrition and Dietetics.—Describes essentials of an adequate diet and nutritive properties of food materials; applications of such knowledge to feeding of individuals and family groups. Four credits. *First semester.* Lec., Tu., Th., 1:00-2:00; lab., Tu., Th., 2:00-4:00. Fee, $10. Miss Deitemeier

H. E. 7b. Advanced Nutrition and Dietetics.—A study of experimental work and results obtained by nutrition experts. Students will be asked to report upon assigned readings. Practical experience in field work with reference to institutional dietary problems. Four credits. *Second semester.* Lec., M., W., 1:00-2:00; lab., M., W., 2:00-4:00. Fee according to expense. Miss Deitemeier

H. E. 10a. Dietetics for Nurses.—Deals with food requirements in the light of the chemistry and physiology of digestion; the nutritive properties and composition of foods of the individual in health and disease, from infancy to old age. 75 hours. Three credits. *First and second semesters.* Miss Deitemeier

H. E. 10b. Dietetics for Nurses.—A repetition of H. E. 10a given *second semester.* Miss Deitemeier

Textiles and Clothing

H. E. 20a. Elementary Clothing.—The economic selection of material; the ethics and hygiene of clothing; use and alteration of commercial patterns; hand and machine sewing applied to the construction of simple garments. Three credits. *First semester.* Tu., Th., 1:00-4:00. Fee, $3. Miss McGill

H. E. 21a. Applied Design.—Creative exercises in line, dark and light, and color, together with the study of color theory and harmony. Use of oil paints and enamels in decorating. Two credits. *First semester.* Lab., Tu., Th., 9:30-11:30. Fee, $5. Miss Todd

H. E. 22b. Textile Decoration.—Application of designs to textiles in stenciling, block printing, tied and dyed work, and batik. Two credits. *Second semester.* Lab., Tu., Th., 9:30-11:30. Fee, $5. Miss Todd

Prerequisite: H. E. 21a

H. E. 23a. Textiles.—History and economic aspects of textile industry; primitive and modern manufacture of textile materials; the identification, selection, and grading of textile material in relation to use, economy, hygiene, and laundering properties. Three credits. *First semester.* Lec., M., 1:00; F., 9:30; lab., M., 2:00-4:00. Fee, $5. Miss McGill

H. E. 24b. Elementary Dress Design.—Continuation of 20a, with emphasis on the making of patterns by drafting, modeling, and designing. Three credits. *Second semester.* Tu., F., 9:30-12:30. Fee, $5. Miss McGill

Prerequisite: H. E. 20a

H. E. 26a. Millinery.—The making and covering of frames and the trimming of hats; original designs are made and practice is given in the adaptation of designs for various types of individuals. Three credits. Tu., Th., 9:30-12:30. Fee, $5.

Prerequisite: H. E. 20a, 24b, 25a Miss McGill

H. E. 27b. Dressmaking.—This course includes practice in the construction of wool and silk dresses, making use of commercial patterns and designs modeled on the form. Three credits. *Second semester.* Tu., Th., 1:00-4:00. Fee, $3. Miss McGill

Prerequisite: H. E. 20a, 24b, 23a, 25a

H. E. 29a. House Planning, Furnishing and Interior Decoration.—Construction of floor plans for a house and the furnishing and decorating of various rooms with regard to their sanitary and economic conditions and artistic effects. Three credits. *First semester.* Lab., Tu., Th., 1:00-4:00. Fee, $5. Miss Todd

H. E. 34. Applied Design and Interior Decoration.—This course is planned for public school teachers, and includes work as given in Courses 21a, 22b, 29a. Two credits. *Throughout year.* Th., 4:00-6:00. Fee, $3. Miss Todd

Management

H. E. 40b. Household Management.—Topics relating to the income, budget, marketing, household efficiency, labor-saving appliances, and service. Two credits. *Second semester.* Lec., M., W., 10:30-11:30. Miss Smith

H. E. 42a. Institutional Management.—This course is a study of housekeeping methods and equipment in the various types of institutions. There will be observation in different city institutions, dormitories, hospitals, cafeterias, and hotels. Two credits. Lec., M., 1:00-2:00; trips, W., 1:00-3:00. Miss Smith

H. E. 44b. Practicum.—Practice in the activities and the problems of management involved in typical institutions. The hospital, nurses' home, and lunchroom will be used. Wholesale marketing. Institutional laundering. Five credits. *Second semester.* Lec. and lab., M., Tu., W., Th., 1:00-4:00; F., 2:00-4:00. Miss Smith

H. E. 45b. Practicum.—Continuation of 44b. Five credits. *Second semester* of second year for those majoring in institutional management. Miss Smith

Home Economics Education

H. E. 61a. General Survey.—A survey of vocations open to women; their relation to home economics; history of home economics; its relation to other school subjects. One credit. *First semester.* Lec., F., 9:30-10:30. Miss Smith

H. E. 62a. Methods of Teaching Home Economics.—Teaching of home economics in schools; courses of study; problems in classroom management; equipment, textbooks, etc. Two credits. *First semester.* Lec., M., W., 11:30-12:30. Mrs. DeArmond

H. E. 62b. Methods and Observation.—Continuation of 62a, including observation of classroom teaching under supervision. Three credits. *Second semester.* Lec., M., W., 11:30-12:30. Observation hour to be arranged. Mrs. DeArmond

H. E. 62p. Practice Teaching.—Teaching home economics under supervision in elementary and secondary schools; conferences. *Throughout year.* Three credits a semester. Tu., Th., 8:30-12:00; part time, M., W., 1:00-3:00. Mrs. DeArmond

HYGIENE AND PHYSICAL EDUCATION

PROFESSOR MORRISON; INSTRUCTORS NIKOLOFF, HILLAS, DABNEY, BARNES, BRUNHOFF, WILLIAMS; LECTURER VAN BUSKIRK; ATHLETIC DIRECTOR CHAMBERS; MEDICAL ADVISERS DR. BOSWELL, DR. CHENOWETH

PHYS. ED. 1.—Practical work, including swimming; two hours a week. (Required of Freshman men.)
Sec. I: M., W., 11:30-12:30
Sec. II: Tu., Th., 11:30-12:30
Sec. III: Tu., Th., 10:30-11:30 Mr. Nikoloff, Mr. Barnes

PHYS. ED. 2.—Practical work, including swimming; two hours a week. (Required of Sophomore men.)
Sec. I: M., W., 10:30-11:30
Sec. II: Tu., Th., 9:30-10:30
Sec. III: M., W., 9:30-10:30 Mr. Nikoloff, Mr. Barnes

PHYS. ED. 1.—Practical work, including swimming; two hours a week. (Required of Freshman women.)
Sec. I: M., W., 11:30-12:30
Sec. II: Tu., Th., 10:30-11:30
Sec. III: Tu., Th., 2:00- 3:00 Miss Brunhoff, Miss Dabney

PHYS. ED. 2.—Practical work, including swimming; two hours a week. (Required of Sophomore women.)
Sec. I: Tu., Th., 9:30-10:30
Sec. II: Tu., Th., 11:30-12:30
Sec. III: Tu., Th., 1:00- 2:00 Miss Hillas, Miss Brunhoff

HYG. 3b. GENERAL HYGIENE.—(Required of Freshman men and women.) Lectures, readings, reports. *Second semester.* Two credits.
Sec. I: Th., S., 8:30- 9:30
Sec. II: Th., S., 9:30-10:30
Sec. III: M., W., 11:30-12:30 Dr. Morrison, Dr. Chenoweth

HYG. 4a. PERSONAL HYGIENE.—(Required of Sophomore men and women.) Lectures, readings, and reports. *First semester.* Two credits.
Sec. I: Th., S., 8:30- 9:30
Sec. II: Th., S., 9:30-10:30
Sec. III: M., W., 11:30-12:30 Dr. Morrison, Dr. Chenoweth

PHYS. ED. 9. APPLIED ANATOMY AND KINESIOLOGY.—The structure of the human body with reference to growth, development, and movement. Lectures and demonstrations. Tu., Th., 10:30-11:30. Dr. Morrison

PHYS. ED. 13b. NORMAL DIAGNOSIS AND ANTHROPOMETRY.—Facts relating to normal conditions of the body and methods for recognition of abnormalities. No attempt is made to diagnose disease. *Second semester.* Tu., Th., 8:30-9:30.
Dr. Morrison

PHYS. ED. 14. ELEMENTARY PRACTICE (women).—Three credits a semester. Instruction and practice in dancing, athletics, swimming, and gymnastics.
Dancing: M., W., F., 9:30-10:30
Athletics: Tu., Th., 9:30-10:30
Gymnastics: M., W., F., 3:00-4:00
Swimming: two hours Miss Hillas, Miss Brunhoff

PHYS. ED. 15. ADVANCED PRACTICE (women).—Three credits a semester. Advanced work in practical instruction, including dancing, gymnastics, games, athletics, and swimming.
Dancing: M., W., 10:30-11:30
Dramatic Games: F., 10:30-11:30
Gymnastics: M., W., 1:00-2:00
Athletics: M., W., 3:00-4:00
Playground Games: F., 3:00-4:00
Swimming: two hours Miss Hillas

PHYS. ED. 16. FESTIVALS.—Includes a study of the festival from an historical point of view, its use as an art form, and its possibilities and value in a recreational and educational program. Tu., Th., 2:00-3:00. Miss Dabney

PHYS. ED. 41. THE TEACHING OF PHYSICAL EDUCATION.—Presents the theory of physical education with reference to educative, biologic, and social ends; considers organization, material, and methods. Three credits. W., 4:00-6:00; one practice hour. Dr. Morrison

PHYS. ED. 42. FUNDAMENTALS OF PLAY AND RECREATION.—Nature and function of play, and its value in a civic and educational program. Theories of play; organization and administration of play activities. M., 4:00-6:00. Miss Dabney

PHYS. ED. 44a. HISTORY OF PHYSICAL EDUCATION.—Bodily activities and play of primitive man; the development of physical education among the different races, and its status at the present time. *First semester.* M., W., F., 2:00-3:00. Mr. Nikoloff

PHYS. ED. 48. HEALTHFUL LIVING.—(Required of student teachers.) Presents important practical aspects of hygiene and physical education from standpoint of both teacher and pupil. *First semester.*
Sec. I: W., 9:30-11:30
Sec. II: W., 4:00- 6:00 Miss Dabney

HYG. 50. PROBLEMS IN SEX EDUCATION.—Need, aims, significance, scope, and methods of education regarding sex. S., 9:30-10:30. Mr. Van Buskirk

RECREATIONAL LEADERSHIP 201.—Underlying theories and purposes of recreational leadership, methods of organization, and practice in the activities of various groups. Th., 4:00-6:00.
Miss Dabney and assistants

EVENING COURSES

*234. GENERAL AND PERSONAL HYGIENE.—The meaning of health; the body's development and function; social and economic aspects of health; methods of controlling environment. M., 7:30-9:30. Dr. Chenoweth

PHYS. TR. A.—For women. Hygienic gymnastics. Tu., 7:30-9:30.
Mrs. Williams

PHYS. TR. B.—For men. Hygienic gymnastics. Tu., 7:30-9:30.
Mr. Barnes

KINDERGARTEN TRAINING

MISSES STONE, FRY, REMY, LEVOY, SELLEW, MRS. LEWIS, MESSRS. THOMPSON, AIKEN

The following courses in kindergarten training are given at the Cincinnati Kindergarten Training School. A special announcement giving full information may be had upon application to the Registrar of the school.

For conditions governing college students who are fitting primarily for positions in kindergarten, see Program IV, page 154.

KGTN. 1. PRACTICAL WORK WITH GIFTS AND OTHER PLAY MATERIALS. Miss Stone

KGTN. 2. HANDWORK. Miss Stone, Miss LeVoy

KGTN. 3. RHYTHMS AND DRAMATIC PLAYS, SONGS AND GAMES. Miss Fry

KGTN. 4. THEORY. Miss Stone, Miss Fry

KGTN. 5. STORIES AND CHILDREN'S LITERATURE. Miss Remy

KGTN. 6. PROGRAM CONSTRUCTION. Miss Bothwell

KGTN. 7. PROGRAM PLANS.—Juniors and Seniors. Miss Stone, Miss Fry

KGTN. 8. OBSERVATION AND PRACTICE TEACHING. Miss Fry

KGTN. 9. ORGANIZATION OF MOTHERS' MEETINGS. Miss Laws, Miss Remy

*Required of students registered in the evening session who are candidates for a degree in the College of Liberal Arts.

Kgtn. 10.	Art.	Mr. Thompson
Kgtn. 11.	Music.	Mr. Aiken, Miss Lilias R. Fry, and special teachers
Kgtn. 12.	Hygiene and Physical Training.	Mrs. Lewis, Miss Sellew
Kgtn. 13.	Primary Methods.	Miss Remy
Kgtn. 14.	Kindergarten Primary.	Miss Remy
Kgtn. 19.	Nature Study.	Special teachers
Kgtn. 20.	Americanization and Kindergarten Essentials.	Miss Stone

VOCATIONAL EDUCATION

Professor MacDonald; Assistant Professors Flagler, Sicha; Instructors Sharkey, Bengert

In September, 1918, the Department of Vocational Education was established in the College for Teachers. The office of the department is located in Room 11, Hanna Hall. Both day and evening classes are conducted in the following centers: Cincinnati, Hamilton, Middletown, and Dayton.

The staff of the department devotes its energies exclusively to preparing teachers of vocational subjects. At present, six types of teachers are being trained, namely:

a. Vocational teachers in service;
b. Teachers of shop subjects;
c. Teachers of academic subjects related to the trades;
d. Teachers of retail selling subjects;
e. Teachers of foremanship classes;
f. Instructor foremen.

Admission—Admission requirements to the different courses are:

1. For teachers of shop subjects:
 a. Successful experience of not less than five full years in the trade the candidate wishes to teach;
 b. Completion of an elementary school course, or its equivalent;
 c. Promise of becoming a successful teacher.
2. For teachers of academic subjects related to the trades:
 a. Completion of at least two years of an approved technical college course and at least one full year of practical trade experience;
 b. Graduation from an approved high school course, and three full years of practical trade experience;
 c. Successful high school or manual arts teaching experience and the required trade experience.

3. For teachers of retail selling subjects:
 a. Graduation from an approved college or a four-year normal school course;
 b. Completion of three years of approved collegiate work;
 c. Completion of work required for a teacher's state certificate and two years of successful teaching experience;
 d. The type of personality desirable for teaching.

Note.—At least two months' successful preliminary salesmanship experience in a retail store is required.

Courses of Instruction

V.E. 1. The Vocational Education Movement.—This course traces the development of the distinctly vocational phase of education, and concludes with a careful study of the Smith-Hughes Act of Congress. Two credits. *One semester.*
Mr. MacDonald

V.E. 3. Observation and Practice Teaching.—
Miss Sicha, Mr. MacDonald

V.E. 7. Vocational Guidance.—History of the movement. Contribution of psychological tests, of junior employment supervision, of organized placement work, etc., to its development. Two credits. *One semester.* Mr. MacDonald

V.E. 10. Trade English.—The elemental phases of approved English structure and expression are considered in their relation to the needs of trade teachers. Two credits. *One semester.*
Mr. Bengert

V.E. 20a. Retail Salesmanship.— *Unit I.* A study of the history and development of modern mercantile institutions, such as the department store, specialty shop, chain store, mail order house.

Unit II. An analysis of specific selling situations and types of customers, with the emphasis placed on the psychological factors underlying them. Four credits. Miss Sicha

V.E. 21b. Store Organization and System.—A study of the various types of store organization, the advantages and drawbacks of each, methods of financing, merchandising, advertising, and selling; the salescheck and its purpose, typical transactions, disposition of parts of check. Four credits. Miss Sicha

V.E. 22a. Economics of Retailing.—A series of twenty lectures by experts in the field of finance, merchandising, advertising, salesmanship. Four credits.

V.E. 23b. Textile Chemistry.—Tests of representative samples of cotton, linen, wool, silk; a study of the effect of laundering processes and the detection of adulterants, of inferior fibers, other fibers, old fabrics, weighting, imitations. Two credits.

V.E. 24b. Non-Textiles.—A study of the source of supply, process of manufacture, and principles of operation of leather, wooden, aluminum, and other metal appliances on the market. Visits to mills and factories. One credit. Miss Sicha

V.E. 25. Store Practice.—The student works three days a week (eight hours a day) in department stores, in a graduated series of representative jobs, covering both the selling and non-selling ends of the retail business.

COLLEGE OF ENGINEERING AND COMMERCE

FACULTY AND INSTRUCTORS

FREDERICK CHARLES HICKS, PH.D.....President of the University
HARRIS HANCOCK, PH.D., SC.D..... Professor of Mathematics
HERMAN SCHNEIDER, SC.D...William Thoms Professor of Civil Engineering and Dean of the College of Engineering and Commerce
*STEPHEN ELMER SLOCUM, B.E., PH.D...Professor of Applied Mathematics
NEVIN M. FENNEMAN, PH.D.....Professor of Geology and Geography
ALEXANDER MASSEY WILSON, M.E.....Professor of Electrical Engineering
GUSTAVE MAURICE BRAUNE, C.E.....Professor of Civil Engineering
HARRY SHIPLEY FRY, PH.D.....Professor of Chemistry and Director of the Chemical Laboratory
ALEXANDER LEWIS JENKINS, M.E.....Professor of Mechanical Engineering
GEORGE W. BURNS, LL.B.....Assistant Dean
*ORLAND R. SWEENEY, PH.D.....Professor of Chemical Engineering
WHITELAW REID MORRISON, A.M., M.D...Professor of Hygiene and Physical Education
SIDNEY H. GUTHRIE, MAJOR, C.A.C.....Professor of Military Science and Tactics
CLYDE WILLIAM PARK, A.M.....Professor of English
LOUIS BRAND, PH.D., E.E.....Professor of Mathematics
ROBERT CLYDE GOWDY, PH.D.....Professor of Physics
HENRY MAX GOETTSCH, PH.D.....Professor of Inorganic Chemistry
REGINALD CHARLES MCGRANE, PH.D.....Professor of History
RUSSELL ALGER STEVENSON, PH.D.....Professor of Accounting
NATHANIEL RUGGLES WHITNEY, PH.D.....Professor of Finance
HEISKELL BRYAN WHALING, PH.D.....Professor of Economics
EARL FREDERICK FARNAU, PH.D...Associate Professor of Organic Chemistry
RALPH EDWARD OESPER, PH.D...Associate Professor of Analytical Chemistry
EDWARD S. SMITH, M.E., PH.D.....Associate Professor of Mathematics
JOSEPH HENRY KINDLE, A.M.....Associate Professor of Mathematics
WALTER H. BUCHER, PH.D.....Assistant Professor of Geology
OTTO CHARLES VON SCHLICHTEN, A.B.....Assistant Professor of Geology
CHARLES B. HOFFMANN, M.E., E.E.....Assistant Professor of Electrical Engineering
CHARLES ALBERT JOERGER, M.E...Assistant Professor of Mechanical Engineering
HAROLD F. JANDA, C.E.....Assistant Professor of Coordination
BART JENNINGS SHINE, C.E...Assistant Professor of Mechanical Engineering

*Absent on leave, 1920-1921

MONTE J. HICKOK, MAJOR, C.A.C.....Assistant Professor of Military Science and Tactics

JOHN H. LINDT, MAJOR, C.A.C.....Assistant Professor of Military Science and Tactics

ROY W. GROWER, 1ST LT., ENG.....Assistant Professor of Military Science and Tactics

EDGAR DOW GILMAN, B.S., CH.E., C.E.....Assistant Professor of Civil Engineering

LEROY ALONZO WILSON, M.E., M.M.E.....Assistant Professor of Mechanical Engineering

G. CARLTON SMITH, B.S. IN CH.E.....Assistant Professor of Chemical Engineering

ARTHUR STAFFORD HATHAWAY, B.S.....Assistant Professor of Civil Engineering

HOWELL MCLAIN GANO, B.S., M.E.....Assistant Professor of Industrial Management

EARL C. CASE, A.B. Assistant Professor of Geography

EDGAR F. VAN BUSKIRK, A.M.....Lecturer on Hygiene

BOYD B. CHAMBERS, A.B. Director of Athletics

CHARLES WATKINS BROWN, Mechanician and Instructor in Laboratory Arts

EDWARD A. EBERHARDT, A.M.....Instructor in Modern Languages

WILLIAM CARL OSTERBROCK, E.E.....Instructor in Electrical Engineering

MEYER SALKOVER, A.M.....Instructor in Mathematics

MERWYN C. RODI, A.B., B.E.E.....Instructor in Electrical Engineering

H. CALVERT MESSINGER, M.E.....Instructor in Coordination

EDGAR P. BENGERT, A.M.....Instructor in English

VINCENT H. DRUFNER, B.S., C.E.....Instructor in Coordination

RALPH L. LANGENHEIM, C.E.....Instructor in Civil Engineering

FAY A. NORTON, E.E.....Instructor in Coordination

HENRY A. WOLSDORF, M.E.....Instructor in Mechanical Engineering

WILLIAM HAMILTON CREIGHTON....Mechanician and Instructor in Laboratory Arts

LOWELL M. ALEXANDER, E.E., A.M.....Instructor in Physics

GEOFFREY A. GRAY, A.M.....Instructor in Chemistry and Chemist, Bureau of City Tests

PETER SCHERRER....Instructor in Lecture Demonstrations and Chemical Supply Agent

ERWIN WILLIAM TSCHUDI, A.B.....Instructor in Mathematics

WALLACE W. BOONE, CH.E.....Instructor in Metallurgy

MARJORIE STEWART.....Coordinator for Women

C. H. LUND, CH.E.....Instructor in Coordination

ERIC D. LANE, B.S. IN C.E.....Instructor in Chemical Engineering

NEWTON ALVIN NOBLE.....Instructor in Electrical Engineering

GERALD BARNES, A.M.....Instructor in Physical Education

EDWARD JOSEPH LORENZ, A.M.....Instructor in Physics

*Walter Feid Haehnle, A.B. Instructor in English
Alexander Paterson, C.E. Instructor in Civil Engineering
Robert E. Hundley, B.M.E. Instructor in Applied Mathematics
Alfred G. Daum Mechanician and Instructor in Laboratory Arts

ADMISSION

REGULAR STUDENTS

Requirements for Admission

Candidates for admission as undergraduates must be at least sixteen years of age and must present fifteen units, to be distributed as follows:

English.—Three units
Algebra.—One unit
Plane Geometry.—One unit
Solid Geometry.—One half unit
History.—One unit

In addition to these specific requirements the candidate must offer five and one half units from the following: English, mathematics, language, history, physics, chemistry, zoology, botany, physical geography, commercial geography, astronomy, or physiology.

The remaining three units shall constitute a "free margin"; that is, the University will accept any three units which the secondary schools themselves credit towards graduation.

Entrance Conditions and Admission to Advanced Standing

All students must satisfy the entrance requirements in mathematics. Students who are deficient in not more than two units of the fifteen required for admission, with the exception of those required in mathematics, may be admitted conditionally to the College of Engineering and Commerce. All such entrance conditions will be removed in case the student passes in all of his Freshman work; otherwise, he will be required to pass entrance examinations to satisfy said conditions before he will be allowed to register for his second year of work at the University.

Provisional Grade System

On March 9, 1912, the faculty of the College of Engineering adopted the following provisional grade system:

1. *Entrance Subjects.*—Students admitted on certificate will be expected to have a working knowledge of all subjects on which the Freshman subjects depend. Failing to show such working knowledge, any student, regardless of how he is admitted, may be conditioned in a subject by his instructor, and be required to show proficiency, to the satisfaction of the instructor, within

*Resigned.

a period not to exceed four weeks. Should he fail to acquire this working knowledge within the prescribed time, his case will be reported to the faculty, who may give him an entrance condition, which must be removed by examination before the Freshman subject can be repeated.

2. *Advanced Standing.*—Students who present credits from approved colleges will be admitted to advanced standing as heretofore, but if it becomes evident that a student's preparation in prerequisite studies is inadequate, he will be conditioned by his instructor for a period not exceeding four weeks. If at the end of this time he still lacks a working knowledge of the subject, his case will be brought to the attention of the faculty, at whose discretion he may be required to repeat in class the prerequisite course in which he is deficient.

3. *Degrees.*—By a ruling of the faculty March 9, 1912, the words "satisfactory completion of a course" were given the following interpretation: Since the subjects in engineering courses are definitely prescribed and are nearly all graded in a series of prerequisite and advanced studies, students of all classes will be required to show a working knowledge of related subjects belonging to earlier years of their course. Any student who fails to show a working knowledge of prerequisite studies will be conditioned and required to prove to the satisfaction of the instructor—within a period not exceeding four weeks—that he has acquired the necessary working knowledge of the subject. Should he fail to do this, his case will be automatically reported to the faculty, at the discretion of which he may be required to repeat the prerequisite course. This regulation affects all students from the date of its adoption.

All applications for advanced credit must be made within three weeks after matriculation to the heads of the departments in which advanced standing is desired. Students may be admitted to advanced standing either upon presentation of a certificate from a college of approved standing or by examination. All students applying for advanced standing must first have satisfied the entrance requirements in the same manner as regular students.

Students from other universities may enter the cooperative course not later than the beginning of the third year. The question of scholastic requirements is determined by the Committee on Advanced Standing, and the matter of shop work is taken care of by the Coordination Department.

*Admission by Examination

†*Schedule of Entrance Examinations*

‡Admission on Certificate From Accredited Schools

**SPECIAL STUDENTS

*See page 99
†See page 93
‡See page 100
**See page 103

COMMERCIAL ENGINEERING AND CHEMICAL ENGINEERING COURSES FOR WOMEN

The cooperative courses for women in commerce and chemistry were established in September, 1920, in order to meet a demand for college-trained women in business and industry.

The plan of the course is similar to that of the cooperative course in engineering, the student working two weeks, in order to get practical experience, and going to school the following period, to obtain the necessary theoretical knowledge. During the first three years, the cooperative work is done in chemical laboratories, industrial concerns, and in selected departments of stores. Practical experience in the kind of work in which the student expects to engage after graduation is offered during the last two years.

The same method is followed in regard to studies. The first two years are devoted to the study of such fundamental subjects as mathematics, science, drawing, and English. Specialization in accounting, salesmanship, finance, and other commercial subjects is confined to the last three years. In addition to the technical and commercial studies, courses are offered in literature, history, and other cultural subjects.

The requirements for admission are given on pages 175 and 176, the rates of tuition and fees on page 63.

The degree of Chemical Engineer or Commercial Engineer is conferred upon the student at the completion of the five-year course.

FELLOWSHIPS, SCHOLARSHIPS, AND PRIZES

In the year 1906 the Lodge & Shipley Machine Tool Company donated two loan scholarships of the amount of $100 each to two students of the cooperative course in engineering for the payment of their University fees.

In 1917 Mr. Frederick A. Geier donated "The Frederick A. Geier Students' Loan Fund." This fund yields an income of $1,000 a year, which is used to assist students in the mechanical engineering cooperative course.

The E. I. du Pont de Nemours Powder Company offered for the session 1920-1921 a scholarship of $350 to a student doing graduate work in chemistry or in chemical engineering.

For the fellowships, scholarships, and prizes of the various colleges, consult their several announcements.

GENERAL REGULATIONS

Each student shall, at the beginning of the year, leave his local address at the office of the Registrar and shall promptly report all subsequent changes of address.

*Unit of Instruction.

Absences.—All absences of regular students from class work must be accounted for to the heads of the departments concerned. Absences not reported within a week after the students' return to the University shall rank as unexcused.

Grades.—The scale of marks for recording grades is as follows: A, 90-100; B, 80-89; C, 70-79; D, 60-69—passed; E, 50-59—conditioned; F, 0-49—failed.

A student who has failed in any subject must register for that subject the next time it is given in the course, and may not register for any advanced subject the hours of which conflict with the subject in which he has failed.

Probation.—A student in the College of Engineering and Commerce who receives a grade below "D" in one half of his work at the mid-term or at the end of any semester, is put upon probation for the next half semester of college work. Such a student, if similarly delinquent at the end of his probation, ceases to be a member of the University.

If it is necessary to place a student upon probation a second time, after an interval has elapsed since the first time, it is within the power of the Dean to dismiss the student as soon as his grades fall below "D" in one half of his work.

†Withdrawal

†Honorable Dismissal

DEGREES

The technical degrees of Civil Engineer, Chemical Engineer, Electrical Engineer, Mechanical Engineer, Metallurgical Engineer, and Commercial Engineer, are given to those students of the cooperative course in engineering and commerce who complete satisfactorily the work scheduled under the respective departments.

Candidates for the degrees specified above must spend their last year of study in residence in Cincinnati.

Each candidate for a degree must file in the Registrar's office before March 1 of his Senior year a formal application for his degree. If a Senior fails to make this application, the University will not be responsible for his graduation.

Degrees are not conferred *in absentia*, except by special permission from the President.

*See page 108
†See page 110

THE COOPERATIVE SYSTEM IN ENGINEERING AND COMMERCE

PLAN OF INSTRUCTION

The College of Engineering and Commerce of the University of Cincinnati operates on what is known as the cooperative system. Under this plan the practice of engineering is taught in a shop or on a railroad under actual commercial conditions, and the science underlying the practice is taught in the University. The students are divided into two sections, which alternate every two weeks; that is to say, during one bi-weekly period, one half of the students are at the University and one half are in the factories; at the beginning of the next two-week period the sections are changed, those who were at the University going to the shops, and those who were in the shops going to the University. Briefly, it is the aim of the cooperative course to give the student a thorough training in the theory and practice of engineering.

The cooperative course is of five years' duration, eleven months in the year. A vacation, which is divided between the two students of each pair, extends from the middle of August to the middle of September.

Students who have had no practical experience are required to begin their practical work during the month of July and to work full time until college opens. Their entrance is, in a measure, dependent upon the character of the work done during this probationary period. Students who have had sufficient experience are permitted to enter in September.

Cooperative students are required to obey all regulations of the company with which they work, and are subject to all existing labor conditions and laws, including those pertaining to liability for accident.

Applications and correspondence concerning admission to the cooperative course should be addressed to the Dean of the College of Engineering and Commerce prior to July 1 preceding the opening of the session.

Satisfactory board and lodging may be procured in the neighborhood of the University at prices ranging from $7 to $9 a week. The University recommends the boarding houses to the students.

WAGES

Cooperative students are not held to a standard schedule of wages, but are paid for their work in the shops at the same rate as other employees. The minimum rate paid cooperative students who have had no previous practical experience is 25 cents an hour, and this rate increases 2½ cents an hour every six months. Most concerns start cooperative students at a little higher rate than this minimum rate.

In railroad work, contracting work, and traction company work, students are paid at the prevailing rate of regularly employed men; thus the rate of beginners in track gang work is 38 cents an hour; in bridge work, 45 cents an hour; in switch and signal work, 45 cents an hour; in street paving work, 35 cents an hour; in car barn work, 38 cents an hour; and so on.

Students with previous experience are paid what their services are worth. The University makes no guarantee as to wages, but uses every effort to place students to their best financial and educational advantage. Students who begin at the minimum rate are not held to this rate if their abilities are such that they can earn more. The wages are paid directly to the students by their employers for the actual time worked in the shops. Machine shops work 48 hours a week; foundries, traction companies, and railroads, 60 hours a week.

COURSES OFFERED

Cooperative courses are offered in chemical engineering, civil engineering, electrical engineering, mechanical engineering, metallurgical engineering, and commerce. Women are admitted to the cooperative work in commerce and in chemical engineering on the same basis as men. Their courses are intended to prepare them for research and executive work in industry and commerce.

THE SUMMER TERM

The summer term begins in June and continues for ten weeks, the students working in bi-weekly periods, as in the winter term.

SUMMARIZED INFORMATION

Entrance Requirements.—To be regularly admitted to the cooperative course, an applicant must have fifteen or more units from an accredited high school. These must include three in English, one in history, one in algebra, one in plane geometry, and one half in solid geometry.

A high school is an accredited high school, if the state university in the same state admits students from the school on certificate.

On account of the rigorous character of the cooperative course, it is essential that incoming students be well grounded in their high school subjects, especially mathematics. It has been demonstrated conclusively that a student with poor preparation cannot maintain passing grades and soon drops out. In order that both the applicant and the college may obtain definite information on this mutually important point, a consultation is arranged between the applicant and a teacher in the Department of Mathematics, during which the applicant's knowledge of mathematics is tested. Should the results be unsatisfactory, the applicant is given ample

time to prepare for a second conference. If this second conference does not demonstrate adequate grounding in mathematics, the applicant is informed that his chances of success in the college work are such as to make it inadvisable for him to enter the college.

Conditioned Entrance.—A student may be admitted to the cooperative course on fourteen credits, provided these include the required subjects named above. If such student successfully passes his first year's work, all conditions will be automatically removed; otherwise, he will be required to take examinations in his conditioned subjects.

No student is admitted to the cooperative course without credit in solid geometry. If an applicant did not pursue the course in solid geometry in high school, he may take an entrance examination.

Advanced Standing.—Students entering the cooperative course from other colleges of approved standing receive advanced credit in those subjects successfully taken which parallel ours. But if it becomes evident that a student's preparation in a prerequisite subject is inadequate, he may be required to repeat the course.

Earnings.—A student cannot earn enough money during his course to pay all of his expenses. Some students, because of previous experience or special aptitude, earn more than others; but the average cooperative student earns by his cooperative work about enough to pay for his board and lodging. Hence a student should have enough capital to meet all other expenses.

Outside Work.—Incoming students begin their outside work during the summer preceding their admission to college.

The University secures all positions, and sets the date for reporting. The Dean prefers that new students start to work as soon after July 1 as possible. Those who wish to defer reporting until September must submit their reasons for doing so to the Dean, and obtain his permission.

Applicants are requested to send a full and complete statement of their previous experience in whatever kind of work they may have done for pay. Arrangements for cooperative positions will be based upon these statements. Previous experience, however, is not essential.

Time of Entering Course.—Students are enrolled in the cooperative course only at the beginning of the college year in September. The courses are continuous; hence a student who has not attended the college during the first semester cannot register for work in the second semester.

Summer Term.—The summer term is a continuation of the work of the second semester; it begins in June and continues for ten weeks. There is no tuition fee for the summer term.

Communications.—Address all communications and scholarship records to the Dean of the College of Engineering and Commerce.

Please state in your first letter, if possible, the name of the course in which you are interested. Also give concisely any other information concerning yourself which might aid us in passing upon your application.

Read the Announcement carefully. If there is any matter which is not entirely clear to you, do not hesitate to write to us about it.

Applications are considered until August 1 preceding the opening of college.

Personal interviews usually accomplish more than correspondence. If you live within convenient distance, it would be better to call in person at the University to discuss the matter of your admission.

The University is always glad to advise prospective students in matters of preparation, and to offer any other helpful suggestions whenever it can.

COURSES OF INSTRUCTION IN ENGINEERING AND COMMERCE

1920-1921

COURSES IN THE FIRST TWO YEARS

The curriculum for the first two years of the cooperative course in all branches of engineering and commerce is nearly uniform. This uniformity arises from the fact that the courses given during this time—mathematics, mechanics, general inorganic chemistry, physics, and engineering drawing—are regarded as forming a common foundation for engineering in general. The specialization of the curriculum in the various departments of engineering and commerce is thus confined to the last three years of the course.

The fundamental courses given in the first two years are developed from a small body of basic principles. These are emphasized repeatedly in the various problems to which they apply. Moreover the courses are arranged to bring out the close connection between related topics. In the first year, for example, elementary mathematics, mechanics (statics), and engineering drawing are frequently brought into intimate contact. Thus a problem in mechanics may be solved as a problem in trigonometry, and at the same time by a graphic construction on a drawing plate. Again in the second year, problems that arise in physics and dynamics are used as applications of the calculus.

In brief, the courses whose inter-relationships have been developed comprise two principal groups: in the first year, elementary mathematics, statics, and engineering drawing; in the second, the calculus, dynamics, and physics. The nature of this correlation is indicated below in the description of these courses.

MATH. 1a, b, c.—Trigonometry; algebra; analytic geometry. The course begins with vector addition and trigonometry in order to correlate with statics to the best advantage. Vector methods are employed in the development of trigonometry and analytic geometry.

MECH. 1a, b, c.—Statics: basic principles; conditions of equilibrium; force polygon; funicular polygon; center of gravity; static friction; beams; jointed structures (truss and crane types); virtual work; simple machines.

The general theory of statics is developed from a few basic principles. Analytic and graphic methods are consistently developed side by side, thus affording a correlation with algebra and trigonometry on the one hand, and with engineering drawing on the other.

ENGINEERING DRAW. 1a, b, c.—Engineering drawing; vector addition; graphs; descriptive geometry; shear and moment diagrams (funicular polygon); Maxwell diagrams; isometric projection.

The work in descriptive geometry covers the fundamental problems on the point, line, and plane, and their application to problems on the intersection and development of surfaces. The methods of descriptive geometry are applied to the solution of problems in three-dimensional statics. Connection is also made with analytic geometry.

ENGLISH 41a, b, c.—First-year reports and conferences. One hour credit each semester.

The purpose of this course is to review the essentials of English composition and to apply them in the writing and criticism of inspection-trip reports and other written exercises. The work of the first and second semesters includes class recitations as well as conferences. Tu., W., or Th., 11:30, according to group schedules.

ENGLISH 42a, b, c.—Second-year reports and conferences. One hour credit each semester.

Students will be held responsible for applying the principles studied in the first year to reports in metallurgy and physics, and to written work in other technical courses.

Prerequisite: English 41

MATH. 5a, b, c.—Differential and integral calculus. This course is extensively correlated with dynamics and physics.

MECH. 2a, b.—Dynamics: velocity and acceleration; force; dimensions; sliding friction; impulse and momentum; work and energy; power; simple harmonic motion; impact; moment of momentum; moment of inertia and radius of gyration.

The general theory of dynamics is deduced from a few basic principles. The fundamental concepts of the calculus are applied from the outset in the development of this course.

PHYSICS 1a, 21b.—Lectures and demonstrations on optics, hydrostatics and hydrodynamic wave motion and sound, heat and thermodynamics, electricity and magnetism. This course correlates with calculus and dynamics.

PHYSICS 2a, 22b.—Laboratory. Experimental work to supplement the lecture courses. Lectures on laboratory methods and development of apparatus form a part of this course. Experiments in dynamics are given from time to time to correlate with Mech. 2.

ENGINEERING DRAW. 2a, b.—Engineering drawing; perspective; isometric projection; machine drawing; masonry and steel construction drawing. The work in this course includes the freehand sketching of machine parts, and the study of drafting conventions.

It will be seen from the foregoing statement that all courses of instruction in the College of Engineering and Commerce during the first two years are nearly identical, and that any student is thus enabled to change from one course to another without loss of time or effort. The courses vary appreciably in the summer following the second year, however, and diverge more and more throughout the third, fourth, and fifth years.

The only differences between courses during the first and second years are as follows:

1. In the summer following the first year, the students in Chemical and Metallurgical Engineering take Qualitative Analysis, instead of continuing in General Chemistry. Hence, it is advisable that students who contemplate taking up Chemical Engineering as a profession make their decisions before the summer following the first year.

2. The first and second-year students of the Civil Engineering Department attend the University full time from about January 15 until about April 15 (designated as winter term), and work full time during the summer. During this winter term, the first and second-year students of this department complete the work that is ordinarily given to the students of the other departments during the summer term.

The winter term work of the second-year students of the Civil Engineering Department is described in the detailed outline of that course. On account of this variation from the procedure in the other departments, it is very desirable that students who contemplate a transfer to the Civil Engineering Department should make their decisions before the beginning of the winter term of the second year.

The following outline indicates the subjects taken by all students up to the beginning of the summer term following the second year, except as noted above for the course in Civil Engineering. It is obvious that these subjects are fundamental in character and essential to the advanced work of the later years.

First Year

Subject	Course	Exercises per Alternate Two Weeks 1st Sem.	2d Sem.	Summer Work [given to C. E. Students in Winter Term]
Mathematics	Math. 1a, 1b	6	6	
General Chemistry	Ch. E. 1a, 3b	5	5	
Chemistry Lab.	Ch. E. 2a, 4b	3	3	
Engineering Drawing	E. D. 1a, 1b	3	3	
Coordination	C. 1a, 1b	2	2	
Mechanics	Mech. 1a, 1b	3	3	
English	Eng. 41a, 41b	1	1	
Military Science and Tactics	Mil. 1a, 1b	3	3	
Mathematics	Math. 1c			6
General Chemistry	Ch. E. 3c, 4c			7
	(For M. E.'s, E. E.'s, and Com. E.'s only)			
Engineering Drawing	E. D. 1c			4
Mechanics	Mech. 1c			3
English	Eng. 41c			1
Military Science and Tactics	Mil. 1c			3
Elementary Cement Lab.	C. E. 5c (for C. E.'s only)			5
Qualitative Analysis	Ch. E. 5c, 6c (for Ch. E.'s and Met. E.'s)			7

Second Year

Mathematics	Math. 5a, 5b	6	6	
General Physics	Phys. 1a, 21b	6	6	
Physics Lab.	Phys. 2a, 22b	2	3	
Metallurgy	Met. E. 1a, 1b	3	3	
Engineering Drawing	E. D. 2a, 2b	2	2	
Coordination	C. 2a, 2b	2	2	
Mechanics	Mech. 2a, 2b	3	2	
English	Eng. 42a, 42b	1	1	
Military Science and Tactics	Mil. 2a, 2b	3	3	
Plane Surveying, Field	C. E. 26a, 26b	2	2	
			(for C. E.'s only, in place of E. D. 2a, 2b)	

DEPARTMENT OF COORDINATION

The Department of Coordination is responsible for the smooth and successful operation of the cooperative courses in the industries. All questions regarding wages, transfers, and changes of jobs are handled by this department. There is a coordinator for every course—mechanical, electrical, civil, chemical, metallurgical, and commercial engineering—,

and these coordinators confer with the employers in planning the courses in practical work so that the students get a logically and carefully arranged training.

In order that the studies in the University may be definitely coordinated with the practical work, the coordinators make a direct correlation of the work of the shop with the instruction given in the University. They make a careful study of each cooperating firm, and devise organization charts showing the various kinds of work which a student can most profitably follow. In addition to the organization chart, a graphical record is made for every student, which shows the various kinds of work that the student has done during the five years of his course. In this way every student's record is under constant scrutiny by the coordinator of his department.

In addition to planning schedules of the students' practical work, the coordinators meet students in the classroom during the two weeks they are in school. In these classes all problems of shop layout and construction, shop organization and management, shop planning and accounting, chemical and metallurgical control of materials and processes, power transmission, heating, ventilating, lighting, etc., are discussed.

SCHEDULE OF COORDINATION CLASSES

ASSISTANT DEAN BURNS; ASSISTANT PROFESSORS JANDA, GANO; INSTRUCTORS DRUFNER, LUND, MESSINGER, NORTON

C. 1a, b. Recitations and discussions based on the student's observation and knowledge of the outside work and its relation to his studies. Lectures and reports on trips of inspection to industrial plants. Lectures on principles and practice of safety. Two hours a week, *first and second semesters*. For all first-year students in engineering and commerce.
Mr. Janda, Mr. Drufner, Mr. Lund, Mr. Messinger, Mr. Norton

C. 2a, b. Written and oral discussions by the students based on observation and experience gained through their connection with the outside work, and the correlated theoretical knowledge acquired in the classrooms. Lectures on first aid. Two hours a week, *first and second semesters*. For all second-year students in engineering and commerce.
Mr. Janda, Mr. Drufner, Mr. Lund, Mr. Messinger, Mr. Norton

C. 3a, b. Classroom discussion of the various materials, methods, or design that are used on cooperative jobs. Two hours a week, *first and second semesters*. For all third-year students in civil engineering. Mr. Janda

C. 13a, b. Discussions by the students of the more recent developments in that branch of the chemical field in which each one is working, as set forth in current technical journals, books, and

catalogues. One hour a week, *first and second semesters.* For all third-year students in chemical and metallurgical engineering. Mr. Lund

C. 23a, b. Application of the principles of the other courses taught during the third year, such as economics, accounting, and business practice, to the particular position, firm, and trade in which the student is employed. Conducted by means of lectures, talks, and discussions by the students; written reports and discussions of current business literature and trade reports. One hour a week, *first and second semesters.* For all third-year students in commercial engineering. Mr. Drufner

C. 33a, b. Round table discussion of engineering and miscellaneous subjects pertaining to each student's job. A yearly report of the outside work in the form of a syllabus is required of each student. One hour a week, *first and second semesters.* For all third-year students in electrical engineering. Mr. Norton

C. 43a, b. Papers prepared by students on engineering subjects and delivered before the class in fifteen-minute talks. General discussion of subject-matter presented. One hour a week, *first and second semesters.* For all third-year students in mechanical engineering. Mr. Messinger

C. 4a, b. Practice in public speaking. Extemporaneous talks and debates on various civil engineering topics. Two hours a week, *first and second semesters.* For all fourth-year students in civil engineering. Mr. Janda

C. 24a, b. The development and growth of various trades in which the students are employed. The gathering of pertinent statistics illustrating principles learned in the finance, accounting, and marketing courses. Conducted by means of written reports, talks, and discussions by the students. One hour a week, *first and second semesters.* For all fourth-year students in commercial engineering. Mr. Drufner

C. 44a, b. PRODUCTION ENGINEERING.—Development of industrial systems; principles of management; psychology of management; factory organization; labor problems; working conditions; safety and welfare; industrial location; time and motion study; wage systems; design of industrial plants; industrial plant transportation problems; maintenance of industrial plants. Three hours a week, *first and second semesters.* For fourth-year students in electrical and mechanical engineering. Mr. Gano

C. 5a, b. Graphical interpretation of engineering data. Each student presents a yearly paper showing the trend of certain phases

of his cooperative job. Classroom work consists of practice in public speaking in the nature of progress reports. Two hours a week, *first and second semesters.* For all fifth-year students in civil engineering. Mr. Janda

C. 25a, b. Research work in marketing, accounting, finance, or along any other line in which the student is interested and on which he desires to base his thesis. Problem to be selected by the student in conference with his cooperative firm and the faculty of the Commerce Department. Personal conferences, talks, and discussions by the students. One hour a week, *first and second semesters.* For all fifth-year students in commercial engineering. Mr. Drufner

C. 45a, b. Accounting and Management.—Records and their graphical presentation; standardization; production schedules; the planning department; scheduling and dispatching; the jobbing shop; production methods and operations; maximum production; interchangeable manufacture; salvage; the tool room; jigs and fixtures; the engineering department; the stores and stock department; the purchasing department; the cost department and shop accounts; the sales department. Three hours a week, *first and second semesters.* For fifth-year students in electrical and mechanical engineering. Mr. Gano

CHEMICAL ENGINEERING

The purpose of the course of study in chemical engineering is to provide the young engineer with a broad and well-founded knowledge of chemistry and of mechanical engineering, so that he may be prepared to take up the work of assisting in the design and erection of chemical machinery, in the arrangement of plants, and the working out and improvement of manufacturing processes dependent wholly or in part upon chemistry. Further, it aims to equip him so that he may be able to consider propositions, processes, and plans from the combined viewpoint of the chemist and engineer. The chemical engineer naturally begins his professional career as analyst or assistant engineer; he is much better prepared for the duties of superintendent of a chemical or metallurgical establishment than either chemist or mechanical engineer.

The chemical engineer is essentially a modern product, and the demand for men with this special training is constantly increasing. Indeed, the necessity for the efficient control of plants and processes, the economical utilization of power, the conversion of factory by-products into marketable commodities, and the adaptation and design of mechanical appliances to carry out chemical reaction on a large scale, all demand that the technical

chemist should be an engineer. Graduates from this department of the University are now filling positions as superintendents and chemical engineers at blast furnaces, steel works, electrolytic establishments, coal tar distillation, and paper works, and factories making heavy chemicals, dry colors, printing inks, soaps, etc.

Students who elect this course should be in good physical condition and well prepared, since the work is both extensive and intensive, and almost all the hours of the day not spent in the classroom are occupied with work in the laboratory or in the drafting-room.

Cooperative Course

The studies during the five years of the cooperative course are not only fundamental, but they are adapted as far as possible to meet the requirements set by the practical needs of the students working in the shops and industrial chemical laboratories. They aim, simultaneously, to equip them to think independently and to do pioneer work in this field.

During the first two years of the course, a large part of the student's time is devoted to subjects essential to an engineering course in chemistry. With the exception of general inorganic chemistry, and an introduction to qualitative, the special courses in chemistry are postponed until the second summer and the years following.

Chemical Engineering—Cooperative Plan

Courses Required for the Degree of Ch. E.

See page 185 for subjects required previous to the beginning of the second summer.

Subject	Course	Exercises per Alternate Two Weeks 1st Sem.	2d Sem.	Summer
	Second Summer Term			
Quantitative Analysis	Ch. E. 7c			15
Mathematics	Math. 5c			6
English	Eng. 42c			1
Military Science and Tactics	Mil. 2c			3
	Third Year—Pre-Junior			
Quantitative Analysis	Ch. E. 7a	3		
Organic Chemistry	Ch. E. 8b, 9b		6	
Applied Mathematics	Ap. Math. 1a, 2b	6	6	
Electrical Engineering	E. E. 20a	6		
Electrical Engineering Lab.	E. E. 21a	2		
Mechanical Engineering	M. E. 12b		6	

Subject	Course	Exercises per Alternate Two Weeks 1st Sem.	2d Sem.	Summer
Mechanical Engineering Lab.	M. E. 18b		2	
Advanced Inorganic Chem.	Ch. E. 10a	3		
English	Eng. 43a, 43b	1	1	
English	Eng. 53a, 53b	3	3	
Coordination	C. 13a, 13b	1	1	
*Military Science and Tactics	Mil. 3a, 3b	2	2	

Third Summer Term

Organic Chemistry Lectures	Ch. E. 8c	3
Organic Chemistry Lab.	Ch. E. 9c	5
Metallography	Met. E. 5c, 6c	7
English	Eng. 43c	1
*Military Science and Tactics	Mil. 3c	2

Fourth Year—Junior

Physical Chemistry Lectures	Ch. E. 12a, 32b	5	5
Physical Chemistry Lab.	Ch. E. 13a, 33b	3	3
†Modern Language	Lang. 40a, 40b	5	5
Advanced Organic Lectures	Ch. E. 20a, 20b	3	3
Advanced Organic Lab.	Ch. E. 21a	3	
Technical Analysis	Ch. E. 17b		3
English	Eng. 44a, 44b	1	1
*Military Science and Tactics	Mil. 4a, 4b	2	2

Fourth Summer Term

Chemical Engineering Design	Ch. E. 44c	18
English	Eng. 44c	1
*Military Science and Tactics	Mil. 4c	2

Fifth Year—Senior

Industrial Chemistry Lecture	Ch. E. 16a, 16b	5	5
Industrial Chemistry Lab.	Ch. E. 36a, 36b	3	3
†Modern Language	Lang. 41a, 41b	5	5
Thesis	Ch. E. 23a, 23b	3	3
English	Eng. 45a, 45b	1	1
*Military Science and Tactics	Mil. 5a, 5b	2	2

*Elective
†German is a requirement; French is optional

CHEMICAL ENGINEERING

PROFESSOR FRY, DIRECTOR OF LABORATORY; PROFESSOR GOETTSCH; ASSOCIATE PROFESSORS OESPER, FARNAU; ASSISTANT PROFESSOR SMITH; INSTRUCTORS BOONE, LANE

1a. GENERAL INORGANIC CHEMISTRY.—The non-metals. Course 2a forms an integral part of and must accompany Course 1a. *First semester.* Five lectures a week.
Mr. Goettsch and assistants

2a. GENERAL INORGANIC CHEMISTRY LABORATORY.—Experiments complementary to the subject-matter of Course 1a. *First semester.* Three laboratory exercises a week.
Mr. Goettsch and assistants

3b. GENERAL INORGANIC CHEMISTRY.—The metals. Continuation of Course 1a. The course must be accompanied by Course 4b. *Second semester.* Five hours a week.
Prerequisite: Courses 1a and 2a
Mr. Goettsch and assistants

4b. GENERAL INORGANIC CHEMISTRY LABORATORY.—Experiments complementary to the subject-matter of Course 3b. *Second semester.* Three laboratory exercises a week.
Mr. Goettsch and assistants

10a. ADVANCED INORGANIC CHEMISTRY.—*First semester.* Three exercises a week. Mr. Goettsch
Prerequisite: Courses 5a, 6, 7

5c. QUALITATIVE ANALYSIS. Mr. Goettsch
Prerequisite: Courses 3b and 4b

6c. QUALITATIVE ANALYSIS LABORATORY.—To accompany Course 5c.
Mr. Goettsch

7a, c. QUANTITATIVE ANALYSIS.—An introductory laboratory course in gravimetric and volumetric analysis.
Prerequisite: Courses 5c and 6c Mr. Oesper

17b. TECHNICAL ANALYSIS. Mr. Oesper
Prerequisite: Course 7c

8b, c. ELEMENTARY ORGANIC CHEMISTRY.—An introductory course: the fundamental principles of organic chemistry. *Second semester and summer term* for cooperative engineers. Mr. Farnau
Prerequisite: Courses 3b and 4b

9b, c. ORGANIC REACTIONS AND PREPARATIONS.—Laboratory practice, consisting of two exercises a week to accompany the lectures of Course 8b, c. *Second semester and summer term* for cooperative engineers. Mr. Farnau
Prerequisite: Courses 3b and 4b

20a, b. Advanced Organic Chemistry.—Three lectures a week throughout the year. Mr. Farnau
Prerequisite: Courses 5c, 6c, 7c, 8b, 9b, and a reading knowledge of German and French

21a. Advanced Organic Chemistry Laboratory.—Three exercises a week. Mr. Farnau

12a. Physical Chemistry.—*First semester.* Five lectures a week. Mr. Farnau
Prerequisite: Chemistry 5c, 6c, 7c; Physics 26a and 27b; Mathematics 5

13a. Physical Chemistry Laboratory.—This course must accompany Course 12a. *First semester.* Three exercises a week. Mr. Farnau and assistant

32b. Electro-Chemistry.—*Second semester.* Five lectures a week. Prerequisite: Course 12a Mr. Farnau

33b. Electro-Chemistry Laboratory.—This course must accompany Course 32b. *Second semester.* Three exercises a week. Mr. Farnau and assistant

1a, 1b. Metallurgy.—Two lecture and two laboratory periods a week. Mr. Boone and assistants
Prerequisite: Chemistry 5c and Physics 1a

5c, 6c. Metallography.—Three lecture and four laboratory periods a week. Mr. Boone
Prerequisite: Course 7

16a. Industrial Chemistry.—Typical processes relating to the applications of inorganic chemistry and theory. *First semester.* Five periods a week. Mr. Smith
Prerequisite: Course 17b

16b. Industrial Chemistry.—Type processes relating to the industrial applications of organic chemistry. *Second semester.* Five periods a week. Mr. Smith
Prerequisite: Courses 16a and 21a

36a, b. Industrial Chemistry Laboratory.—Three laboratory periods a week. Mr. Smith

42a. Materials of Engineering.—A course of lectures covering a selected list of materials used by the engineer, but not included in the courses in metallurgy, and mechanical and electrical engineering. *First semester.* One lecture; one credit hour. Mr. Smith

42b. Materials of Engineering.—Continuation of Course 42a. *Second semester.* One lecture; one credit hour. Mr. Smith

44c. Chemical Engineering Design.—A definite problem in designing some item of chemical equipment in the form of working drawings. *Fourth summer term.* Mr. Smith, Mr. Lane

23a, b. THESIS LABORATORY.—Three to five laboratory periods a week devoted to the solution of some problem in technical chemistry or metallurgy. For Senior students who are required to prepare a thesis for graduation.

Mr. Fry, Mr. Goettsch, Mr. Farnau, Mr. Oesper, Mr. Smith, Mr. Boone

CIVIL ENGINEERING

The purpose of this course is to give a broad education in those subjects which form the basis of all branches of technical education, and a special training in the subjects comprised under the term "Civil Engineering." It aims to prepare the young engineer to assist in the design and construction of bridges, steel and reinforced concrete buildings, and other masonry structure, such as walls, foundations, and dams; to aid in the location and construction of steam and electric railways, highways, pavements, sewerage, and water supply systems; and to undertake, in an intelligent manner, the supervision of work in the allied fields of mining, architectural engineering, and general contracting.

COOPERATIVE PLAN

The Civil Engineering Department cooperates with consulting engineers, railroads, structural steel shops, reinforced concrete construction companies, general contractors, the Engineering Department of the City of Cincinnati, and the United States Government.

In this department the employment in practical work is continuous during the summer, and, with certain exceptions noted below, alternates in bi-weekly periods during the first and second semesters. College work is continuous for first and second-year students between the first of January and the first of April; and for fifth-year students between the first of February and the first of June. (See winter schedules in the courses required for the degree of C. E.)

Students employed by the railroads start in section gangs, as laborers on track work, doing main line, yard, or extra gang work. In the bridge and building department, experience is gained in the repair of bridges, the building of culverts, and other construction and maintenance work done by this department. The signal department affords opportunity for the student to become familiar with the installation, operation, and maintenance of the various signal systems. Field and office experience is obtained in the processes of railroad valuation. In the latter part of the course, the student is assigned to minor supervisory work in connection with heavy construction. As opportunity permits, and the ability of the student warrants, he acts as assistant foreman and timekeeper in the various departments.

Students desiring municipal work start as laborers with contractors for city departments, on street, sewerage, bridge, or other municipal work.

After sufficient experience, they become rodmen, inspectors, timekeepers, foremen, and assistant superintendents.

In structural work, the student is placed in a structural steel shop to familiarize himself with structural steel fabrication. This is followed by experience in steel erection, and by work in reinforced concrete construction and general contracting activities, the student being given opportunities commensurate with his proven ability.

Experience in the construction projects of the United States Government on the Ohio and neighboring rivers may be obtained by those having the necessary preliminary experience. This work consists of investigations, surveys, and inspection and office work in connection with the construction of dams, locks, and channel improvement.

The outside work in civil engineering aims to give the students experience in doing the work themselves, and the opportunity to observe the work of others at close range while acting as assistants; it also trains them, in conjunction with their college course, to supervise work that is being done by others. While there is a definite plan outlined and agreed to by each employer, promotion is dependent upon the ability and application of the student.

Civil Engineering—Cooperative Plan

Subjects Required for the Degree of C. E.

See page 185 for subjects required previous to the beginning of the second year winter term.

Subject	Course	Exercises per Alternate Two Weeks		
Second Winter Term Six Weeks	*Sophomore*	*Winter*	*1st Sem.*	*2d Sem*
Mathematics	Math. 5c	6		
Engineering Drawing	E. D. 2c	4		
Plane Surveying, Theory	C. E. 25c	6		
English	Eng. 42c	1		
Hydraulics	C. E. 13c	7		
Military Science and Tactics	Mil. 2c	3		
Third Year—Pre-Junior				
English	Eng. 53a, 53b		3	3
Electrical Machinery	E. E. 20a		6	
Electrical Lab.	E. E. 21a		2	
Applied Mathematics	Ap. Math. 1a, 2b		6	6
Cement Testing Lab.	C. E. 6b			3
Railroad Surveying, Theory	C. E. 10a, 10b		3	3
Railroad Surveying, Field	C. E. 11a		3	
Steam Engineering	M. E. 12b			6
Mechanical Lab.	M. E. 18b			2
English	Eng. 43a, 43b		1	1
Coordination	C. 3a, 3b		2	2
*Military Science and Tactics	Mil. 3a, 3b		2	2

*Elective

Fourth Year—Junior

Subject	Course	Exercises per Alternate Two Weeks 1st Sem.	2d Sem
Mathematical Analysis	Math. 30a, 30b	3	3
Mineralogy	Geol. 25a, 25b	2	2
Roofs and Bridges	C. E. 9a, 9b	5	3
Graphic Statics	C. E. 8a, 8b	3	2
Coordination	C. 4a, 4b	2	2
Engineering Design, Theory	C. E. 16a, 16b	3	5
Engineering Design, Drawing	C. E. 30a, 30b	2	3
History	Hist. 74a, 74b	3	3
English	Eng. 44a, 44b	1	1
*Military Science and Tactics	Mil. 4a, 4b	2	2

Fifth Year—Senior

Engineering Geology	Geol. 2a, 2b	4	4
Structural Design, Theory	C. E. 14a, 14b	3	2
Structural Design, Drawing	C. E. 15a, 15b	2	2
Sewerage, Theory	C. E. 18b		3
Sewerage, Design	C. E. 19b		2
Water Supply, Theory	C. E. 21a	3	
Water Supply, Design	C. E. 22a	2	
Indeterminate Structures	C. E. 17a, 17b	2	2
Highway Engineering	C. E. 27a, 27b	3	3
Coordination	C. 5a, 5b	2	2
History	Hist. 75a, 75b	6	6
English	Eng. 45a, 45b	1	1
*Military Science and Tactics	Mil. 5a, 5b	2	2

CIVIL ENGINEERING

Professors Schneider, Braune; Assistant Professors Gilman, Hathaway; Instructors Langenheim, Paterson

3c. Elementary Surveying.—Theory and use of common surveying instruments. This course is arranged for mechanical, electrical, and chemical engineering students. Mr. Gilman

5c. Cement Testing Laboratory.—Elementary physical testing of cement concrete, and concrete materials according to the Bureau of Standards. Mr. Gilman

6b. Cement Testing Laboratory.—Analysis of raw materials. Manufacture of cement. Laboratory tests of cement, mortar, concrete, and reinforced concrete. Mr. Gilman

*Elective

7c. CEMENT TESTING LABORATORY.—Elementary physical testing of cement, concrete, and concrete materials according to the Bureau of Standards, for mechanical and electrical students.

8a, 8b. GRAPHIC STATICS.—Graphic methods applied to the determination of stresses, bending moments, shears, etc., in structures. Mr. Gilman

9a, 9b. ROOFS AND BRIDGES.—Theory of stresses in framed structures under static and moving loads by both graphic and analytic methods. Mr. Gilman

10a, 10b. RAILROAD SURVEYING THEORY.—Simple, compound, reversed, and transition curves. Turnouts and switches. Theory of earthwork computation. Mr. Paterson

11a. FIELD RAILROAD SURVEYING.—Practice in staking out curves, cross sectioning, setting of slope stakes, etc. Mr. Paterson

13c. HYDRAULICS.—Theory of the flow of water through orifices, tubes, pipes, channels, etc. Theory of sewer and water supply hydraulics, stream gauging, and hydrographic surveying. Mr. Janda

14a, 14b. STRUCTURAL DESIGN THEORY.—Lectures and discussion of contracts, office work, shops, and shop practice. Design of roof truss, plate girder, pin and riveted spans. Specifications. Mr. Braune

15a, 15b. STRUCTURAL DESIGN DRAWING.—Complete detailed contract drawings of roof truss, plate girder, pin and riveted spans. Inspection trips. Mr. Braune

16a, 16b. ENGINEERING DESIGN.—Theory of design in reinforced concrete, retaining walls, dams, etc. Mr. Gilman

17a, 17b. HIGHER STRUCTURES.—Analysis of indeterminate structures. Mr. Brand

18b. SEWERAGE.—Theory of design, maintenance, and construction. Collection and disposal of sewage. Purification plants. Mr. Hathaway

19b. SEWERAGE DESIGN.—Design, estimate of cost, and execution of plans for a small district. Mr. Hathaway

21a. WATER SUPPLY THEORY.—Consumption by municipalities. Yields from various sources. Examination of water supplies. Impounding reservoirs. Distribution systems. Purification. Mr. Hathaway

22a. WATER SUPPLY DESIGN.—Design, estimate of cost of distribution system, standpipe, etc., and execution of plans. Mr. Hathaway

24b. Special Design.—A subject is selected by Senior students and investigations and designs are made.
Mr. Braune, Mr. Gilman

25c. Plane and Topographic Surveying.—Theory relating to the use and adjustment of instruments; theory of land, topographic, and city surveying. Mr. Paterson

26a, 26b. Field Surveying.—Practice in the use and adjustments of the tape, level, transit, plane table, etc. Mr. Paterson

27a, 27b. Highway Engineering.—Construction, maintenance, and cost of roads and pavements. Consideration of relative merits of various types. Mr. Hathaway

30a, 30b. Engineering Design, Drawing.—Practical problems in reinforced concrete, retaining walls, dams, foundations, etc.
Mr. Gilman

ELECTRICAL ENGINEERING

The cooperative course in Electrical Engineering is completed in five years, the student working in the College of Engineering and Commerce one period of two weeks and in some phase of industry for the alternate period of two weeks. Every four weeks, the student will have spent two weeks in the University and two weeks in some business enterprise. A description of the cooperative plan is given elsewhere in this Announcement.

During the first two years, the work in the University is chiefly in elementary mechanics, mathematics, physics, chemistry, and mechanical drawing, and forms a basis for more specialized work in later years. At the beginning of the third and Junior years, specialized work is taken up. Inasmuch as the professional electrical engineer needs a comprehensive knowledge of mechanical engineering, many of the technical subjects of the mechanical department are included in the electrical course. Thus steam engineering, gas engineering, hydraulic machinery, and machine design, with laboratory work and drawing, together with applied mathematics, are studied during the third, fourth, and fifth years.

Cooperative Plan

The cooperative students of electrical engineering follow many diverse lines of practical experience. It is hardly possible to discuss these activities in detail. But there is a general method underlying all forms of practical work, so that approximately the same degree of progressive development is obtained.

As a rule, Freshmen spend a year in some foundry or machine shop, for the purpose of becoming familiar with general shop practice and the conditions of labor. Those who take up manufacturing work, such as is offered by the Bullock Electric Company or the Triumph Electric Com-

pany, spend practically the first, second, and third years in the machine, controller, winding, and assembling departments. In this way, they become thoroughly familiar with the varied processes involved in the manufacture of electrical machinery, and with the details of shop organization. The fourth year is usually spent in testing direct current machinery, and the fifth year in the testing of alternating current machinery.

At present, a number of students are employed in telephone work. Their practical experience depends upon the operating conditions, and involves both inside and outside inspection, repair, testing, and construction.

Students of electrical engineering are also engaged in cooperative work with the local gas and electric company. The practical experience with this company is of a varied character, and depends largely upon the ability of the students.

Electrical Engineering—Cooperative Plan

Subjects Required for the Degree of E. E.

See page 185 for subjects required previous to the beginning of the second summer.

Subject	Course	Exercises per Alternate Two Weeks		
Second Summer Term		*1st Sem.*	*2d Sem.*	*Summer*
Mathematics	Math. 5c			6
Electrical Lab.	E. E. 5c			5
Mechanism	M. E. 6c			6
Drawing and Sketching	M. E. 7c			6
English	Eng. 42c			1
Military Science and Tactics	Mil. 2c			3
Third Year—Pre-Junior				
Electrical Engineering	E. E. 1a, 9b	6	6	
Electrical Lab.	E. E. 5a, 5b	3	3	
Mathematics	Math. 31a, 31b	3	3	
English	Eng. 53a, 53b	3	3	
Applied Mathematics	App. Math. 1a, 2b	6	6	
English	Eng. 43a, 43b	1	1	
Physics Lab.	Phys. 13a	2		
Heat Treatment	Met. E. 20a		2	
Materials of Eng.	Ch. E. 42a, 42b	1	1	
*Military Science and Tactics	Mil. 3a, 3b	2	2	
Coordination	C. 33a, 33b	1	1	
Third Summer Term				
Electrical Engineering	E. E. 3c			12
Electrical Lab.	E. E. 13c			4

*Elective

Subject	Course	Exercises per Alternate Two Weeks 1st Sem.	2d Sem.	Summer
Mechanical Lab.	M. E. 18c			3
Cement Testing Lab.	C. E. 7c			1
English	Eng. 43c			1
*Military Science and Tactics	Mil. 3c			2

Fourth Year—Junior

Steam Engineering	M. E. 11a, 11b	6	6
Mechanical Lab.	M. E. 18a, 18b	2	2
Machine Design	M. E. 13a	6	
Machine Design	M. E. 14a	4	
Hydraulic Machinery	M. E. 27b		6
Coordination	C. 44a, 44b	3	3
Electrical Engineering	E. E. 3a, 3b	2	2
Electrical Design	E. E. 2b		3
English	Eng. 44a, 44b	1	1
*Military Science and Tactics	Mil. 4a, 4b	2	2
History	Hist. 74a, 74b	3	3

Fourth Summer Term

Electrical Engineering	E. E. 4c	6
Thesis	E. E. 8c	4
Electrical Design	E. E. 2c	5
Surveying (Elementary)	C. E. 3c	3
Electrical Lab.	E. E. 7c	3
English	Eng. 44c	1
*Military Science and Tactics	Mil. 4c	2

Fifth Year—Senior

History	Hist. 75a, 75b	6	6
Coordination	C. 45a, 45b	3	3
Gas Engineering	M. E. 23a, 23b	3	3
Power Station	E. E. 11a, 11b	3	3
Telegraphy and Telephony	E. E. 14a, 14b	3	3
Thesis	E. E. 8a, 8b	2	5
Electrical Lab.	E. E. 7a	3	
English	Eng. 45a, 45b	1	1
*Military Science and Tactics	Mil. 5a, 5b	2	2

*Elective

ELECTRICAL ENGINEERING

PROFESSOR WILSON; ASSISTANT PROFESSOR HOFFMANN; INSTRUCTORS OSTERBROCK, RODI, NORTON, NOBLE, CREIGHTON

1. DIRECT CURRENT MACHINERY.—Fundamental principles of direct current machinery; characteristics, construction, and operation of dynamos, motors, and instruments.
 Mr. Hoffmann, Mr. Osterbrock, Mr. Rodi
2. ELECTRICAL DESIGN.—Principles and methods employed in the design of direct current machinery.
 Mr. Wilson, Mr. Osterbrock
3. ALTERNATING CURRENT MACHINERY.—Analytical and graphical treatment of alternating current circuits. An advanced course based on Course 9. Mr. Wilson, Mr. Hoffmann
4. ELECTRIC POWER TRANSMISSION.—Distributing systems; long-distance transmission; economy in the design of circuits; line construction. Mr. Wilson
5. ELECTRICAL ENGINEERING LABORATORY.—Study of magnetic properties of iron and steel; operation of direct current dynamos and motors, with tests for characteristics, efficiency, and losses.
 Mr. Hoffmann, Mr. Rodi, Mr. Norton
7. ADVANCED ELECTRICAL ENGINEERING LABORATORY.—Experimental study of alternators, transformers; single and polyphase induction motors; rotary converters, etc.
 Mr. Hoffmann, Mr. Rodi
8. THESIS.—Special assignments. Mr. Wilson
9. ALTERNATING CURRENTS.—Resistance, inductance, and capacity in alternating current circuits, graphical and analytical treatment; alternating current generators and motors; polyphase circuits.
 Mr. Wilson, Mr. Hoffmann, Mr. Osterbrock
10. ILLUMINATION.—Principles of photometry; light sources; shades and reflectors; domestic illumination; lighting of large interiors; street lighting; decorative illumination.
11. ELECTRIC POWER STATIONS.—The central power station, location, and general arrangement; selection of generating units; switch gear; station wiring; storage battery. The substation.
 Mr. Hoffmann
12. ELEMENTARY PROBLEMS.—For students during third summer.
 Mr. Hoffmann, Mr. Osterbrock, Mr. Rodi
13. ELEMENTARY LABORATORY.—For students during third summer. Miscellaneous laboratory in connection with problems.
 Mr. Hoffmann, Mr. Osterbrock, Mr. Rodi
14. TELEGRAPHY AND TELEPHONY.—Fundamental principles of wire and wireless telephony and telegraphy.
 Mr. Wilson, Mr. Osterbrock

15. Electrical Design (Advanced).—A continuation of Course 2, attention being given especially to the construction of alternating current machinery and installations.
Mr. Wilson, Mr. Osterbrock

20. Electrical Machinery and Apparatus.—A general course for civil and chemical engineers. Mr. Wilson

21. Laboratory Course.—For civil and chemical engineers.
Mr. Hoffmann, Mr. Rodi

MECHANICAL ENGINEERING

This course offers training in the fundamental principles underlying the science of engineering, and specializes upon the design, construction, and operation of machinery. The growing tendency towards the development and introduction of mechanical processes and devices has extended the activities of the mechanical engineer into practically all branches of industry, and in order to meet the broad requirements of the profession it is essential that he be trained in the sciences of mathematics, physics, mechanics, chemistry, metallurgy, and electricity and in their applications to engineering.

The University of Cincinnati is situated in the heart of the great industrial district of the Middle West, in which there are numerous manufacturing establishments of international reputation. These large and diversified manufacturing interests offer exceptional opportunities to students and graduates in mechanical engineering.

Cooperative Course

Cooperative students in mechanical engineering spend half of their time working in foundries, machine shops, power plants, and drafting rooms; and in the time setting, heat treating, testing, repair, and planning departments of about forty manufacturing concerns engaged principally in the production of steam, gas, air, refrigerating, and automotive machinery and machine tools.

The first two years of the University work are devoted to fundamental courses in mathematics, physics, chemistry, drawing, and the mechanisms of machines. Inasmuch as the mechanical engineer comes into contact with all kinds of machinery and mechanical processes involving chemistry, electricity, metallurgy, and surveying, courses in these subjects are included in the curriculum. The third year is devoted to an elementary course in automotive engineering which correlates with the laboratory work on automobile and airplane motors; steam engineering in both classroom and laboratory; mechanics and strength of materials in both classroom and laboratory; and a metallurgical course in the heat treatment of materials. Electrical engineering subjects are introduced in the third summer and continued throughout the fourth year. Courses on steam turbines, graphics,

and the construction of special slide rules and charts are also given in the third summer. The fourth year is devoted to machine design, electrical engineering, production engineering, hydraulic machinery, history, and economics. The summer following the fourth year is devoted to the study of valve gears, surveying, and special laboratory problems involving research. The fifth year is devoted to the more specialized courses in gas engineering, industrial engineering, machine tools, thermodynamics, history, and research.

The laboratory work in mechanical engineering covers steam engineering, gas engineering, machine tools, and the physical testing of materials. The laboratories are equipped with testing machines and special scientific apparatus for research purposes. The equipment also includes standard types of automobile and airplane motors; high speed and Corliss steam engines; steam turbines, stationary gas, oil, and gasoline engines; air compressors, machine tools, and refrigerating machinery. The University power plant, of 1200 horsepower, is arranged particularly for the testing of boilers.

Mechanical Engineering—Cooperative Plan

Courses Required for the Degree of M. E.

See page 185 for subjects required previous to the beginning of the second summer.

Subject	Course	Exercises per Alternate Two Weeks 1st Sem.	2d Sem.	Summer
Second Summer Term				
Mathematics	Math. 5c			6
Mechanism	M. E. 6c			6
Drawing and Sketching	M. E. 7c			6
Mechanical Lab.	M. E. 18c			3
English	Eng. 42c			1
Military Science and Tactics	Mil. 2c			3
Third Year—Pre-Junior				
Coordination	C. 43a, 43b	1	1	
Automotive Engineering	M. E. 5		3	
Mathematics	Math. 35a	3		
Steam Engineering	M. E. 11a, 11b	6	6	
Applied Mathematics	Ap. Math. 1a, 2b	6	6	
Mechanical Lab.	M. E. 18a, 18b	2	2	
Power Plant Inspection Trips	M. E. 16a, 16b	1	1	
English	Eng. 53a, 53b	3	3	
Physics Lab.	Phys. 13a	2		
Heat Treatment	Met. 20b		2	
Materials of Engineering	Ch. E. 42a, 42b	1	1	
English	Eng. 43a, 43b	1	1	
*Military Science and Tactics	Mil. 3a, 3b	2	2	

*Elective

Third Summer Term

Electrical Lab.	E. E. 5c	6
Graphics	M. E. 17c	9
Steam Turbines	M. E. 24c	4
English	Eng. 43c	1
*Military Science and Tactics	Mil. 3c	2

Fourth Year—Junior

Machine Design	M. E. 13a	6	
Machine Design	M. E. 14a, 19b	4	4
Electrical Engineering	E. E. 1a, 9b	6	6
Electrical Lab.	E. E. 5a, 5b	2	2
Coordination	C. 44a, 44b	3	3
History	Hist. 74a, 74b	3	3
Hydraulic Machinery	M. E. 27b		6
English	Eng. 44a, 44b	1	1
*Military Science and Tactics	Mil. 4a, 4b	2	2

Fourth Summer Term

Valve Gears	M. E. 22c	11
Experimental Engineering	M. E. 25c	5
English	Eng. 44c	1
Elementary Surveying	C. E. 3c	3
*Military Science and Tactics	Mil. 4c	2

Fifth Year—Senior

Gas Engineering	M. E. 23a, 23b	3	3
Machine Shop Tools	M. E. 15a	6	
Experimental Engineering	M. E. 25a	2	
Thermodynamics	M. E. 21a, 21b	2	6
Engineering Design	M. E. 28a, 28b	4	2
Coordination	C. 45a, 45b	3	3
Thesis	M. E. 39b		4
English	Eng. 45a, 45b	1	1
History	Hist. 75a, 75b	6	6
*Military Science and Tactics	Mil. 5a, 5b	2	2

MECHANICAL ENGINEERING

PROFESSOR JENKINS; ASSISTANT PROFESSORS JOERGER, WILSON, SHINE; INSTRUCTORS MESSINGER, WOLSDORF

5. AUTOMOTIVE ENGINEERING.—An elementary course covering the fundamental principles of design, construction, and operation of automotive machinery. Mr. Jenkins

*Elective

6. Mechanism.—Kinematics of toothed wheels, cams, screws, links, belts, chains, cone pulleys, speed boxes, back-gears, and complete trains of mechanism; feeds and speeds on machine tools. Mr. Shine, Mr. Wolsdorf

7 Drawing and Sketching.—Graphic representation of various methods of transmitting and modifying motions by means of mechanical devices. Cams, links, and toothed wheels. Mr. Shine, Mr. Wolsdorf

11. Steam Engineering.—Elements and economy of simple and complete steam plants. Fuels, combustion, boilers, furnaces, stokers, smoke prevention, superheaters, coal and ash handling, chimneys, mechanical draft, steam engines, turbines, condensers. Mr. Joerger

12. Steam Engineering.—A special course for chemical and civil engineering students. Mr. Wolsdorf

13. Machine Design.—The designs of fastenings, links, shafts, bearings, couplings, clutches, belting, ropes, chains, toothed gearing. Strength and stiffness of machine parts. Selection of materials. Mr. Jenkins

14. Machine Design.—Design of punching and shearing machine. Assembled and detailed drawings and complete calculations for a given machine are required of each student. Mr. Jenkins

15. Machine Shop Tools.—Action of metal-cutting tools. Effect of shape of tool on durability. Geometric and other series for feeds and speeds. Speed-torque analysis of machine tools. Mr. Jenkins

16. Power Plant Inspection Trips.—Visits to, and the study of, industrial power installations. Reports, sketches, and classroom discussion of the engineering features encountered. Mr. Wilson

17. Graphics.—Efficiencies and forces of machines. Graphic exposition of equations and data. Derivation of empirical formulas from data. Construction of special slide rules, alignment, and other charts. Mr. Jenkins, Mr. Joerger

18. Mechanical Engineering Laboratory.—Typical tests of the materials of construction. Calibration of instruments. Tests of steam engines, turbines, pumps and accessories, gas engines, air compressors, machine tools. Mr. Wilson

19. Machine Design.—A definite problem involving the design of a complete machine, to be presented in the form of working drawings, with written description and calculation of parts. Mr. Jenkins

21. THERMODYNAMICS.—Elastic media as heat carriers. Temperature-entrophy diagrams of various cycles. Application of thermodynamics to steam and gas engines, air compressors, and refrigerating machines. Mr. Joerger

22. VALVE GEARS.—Analytical and graphical analysis of valve mechanisms. Methods of laying out the various forms of valve gears, link motions, and reversing gears. Mr. Joerger

23. GAS ENGINEERING.—Thermodynamics of gas engines. Design and performance of gas-producer plants. Study of various types of gas engines in the United States and Europe. Mr. Joerger

24. STEAM TURBINES.—Historical development. Modern types. Critical study of the turbine as a heat motor and as a machine. Comparison with the most approved types of reciprocating engines. Mr. Joerger

25. EXPERIMENTAL ENGINEERING.—Characteristics and economy of heat motors and their variation with conditions of operation. Experimental study of the forces acting on metal-cutting tools. Mr. Jenkins, Mr. Joerger, Mr. Wilson

27. HYDRAULIC MACHINERY.—Fundamental principles of hydraulics. Hydraulic transmission of power, hydrostatic presses, elevators, motors, turbines, accumulators, intensifiers, jacks, and pumps. Mr. Jenkins

28. ENGINEERING DESIGN.—A definite problem in the design or investigation of a machine, prime mover, auxiliary, or plant. Free reference to machines and plants in the city bearing on the problem. Mr. Jenkins, Mr. Joerger

30. HEATING AND VENTILATION.—Methods of heating buildings by hot air, steam, and water. Motors, blowers, and mechanisms used in ventilating. Mr. Joerger

39. THESIS.—Modified research or original design. Mr. Jenkins, Mr. Joerger, Mr. Wilson

METALLURGICAL ENGINEERING

The practice of metallurgy is in large part the application of general engineering principles, and the course is built upon a foundation of mathematics and sciences which are generally recognized as fundamental to a sound engineering training; in addition, considerable time is devoted to the study of applied subjects in mechanical and electrical engineering. But metallurgy as a specialized branch of engineering practice is primarily dependent upon chemistry, and this subject occupies a prominent place in the earlier years of the course.

Direct instruction in metallurgy is given by means of classroom and laboratory work in the general principles of the art, and their application to the manufacture and treatment of iron and steel, and to the recovery of the more common metals other than iron. The greatest emphasis is placed upon the application of the various metals and alloys to engineering construction, this training being gained by the study of the constitution of alloys, by chemical and physical tests of these materials, and by metallographic examination with the microscope.

The laboratories are equipped with the necessary furnaces, pyrometers, microscopes, and other accessory apparatus for the instruction work involved in the general subjects, and for the more advanced study of a specialized and investigative nature, which occupies a prominent place in the later years of the course.

Students in metallurgical engineering are placed in direct contact with the work and problems of this profession through cooperation with the industries of Cincinnati and vicinity. The first year is usually spent in the foundry, and the second in the machine shop. After this preliminary stage, more direct specialization is obtained by placing the men in foundries, coke ovens, blast furnaces, steel works and rolling mills, forge works, heat treatment departments, automobile factories, and industries of like metallurgical interest.

Metallurgical Engineering—Cooperative Plan

Courses Required for the Degree of Met. E.

See page 185 for subjects required previous to the beginning of the second summer.

Subject	Course	Exercises per Alternate Two Weeks		
Second Summer Term		*1st Sem*	*2d Sem.*	*Summer*
Quantitative Analysis	Ch. E. 7c			15
Mathematics	Math. 5c			6
English	Eng. 42c			1
Military Science and Tactics	Mil. 2c			3
Third Year—Pre-Junior				
Applied Mathematics	Ap. Math. 1a, 2b	6	6	
Electrical Engineering	E. E. 20a	6		
Electrical Lab.	E. E. 21a	2		
Steam Engineering	M. E. 12b		6	
Mechanical Lab.	M. E. 18b		2	
Geology	Geol. 7a, 7b	4	4	
English	Eng. 53a, 53b	3	3	
English	Eng. 43a, 43b	1	1	
Coordination	C. 13a, 13b	1	1	
Metallurgical Calculations	Met. E. 3a, 3b	3	3	
*Military Science and Tactics	Mil. 3a, 3b	2	2	

*Elective

Subject	Course	Exercises per Alternate Two Weeks 1st Sem.	2d Sem.	Summer
	Third Summer Term			
English	Eng. 43c			1
Metallography Lectures	Met. E. 5c			3
Metallography Lab.	Met. E. 6c			4
Ferrous and Non-Ferrous Analyses	Met. E. 17c			8
*Military Science and Tactics	Mil. 3c			2
	Fourth Year—Junior			
Physical Chemistry Lectures	Ch. E. 12a, 32b	5	5	
Physical Chemistry Lab.	Ch. E. 13a, 33b	3	3	
Technical Analysis	Ch. E. 17b		3	
Metallurgy of Iron Lectures	Met. E. 7a	5		
Metallurgy of Iron Lab.	Met. E. 8a	2		
Non-Ferrous Metallurgy	Met. E. 9b		5	
†Modern Language	Lang. 40a, 40b	5	5	
English	Eng. 44a, 44b	1	1	
*Military Science and Tactics	Mil. 4a, 4b	2	2	
	Fourth Summer Term			
Metallurgical Design	Met. E. 11c			18
English	Eng. 44c			1
	Fifth Year—Senior			
English	Eng. 45a, 45b	1	1	
Electro-Metallurgy	Met. 12a	3		
Electro-Metallurgy Lab.	Met. 13a	2		
Thesis	Met. E. 14a, 14b	3	6	
Conference	Met. E. 15a, 15b	1	1	
†Modern Language	Lang. 41a, 41b	5	5	
*Military Science and Tactics	Mil. 5a, 5b	2	2	

METALLURGY AND METALLURGICAL ENGINEERING

Professor Fry, Director of the Laboratory; Professor Goettsch; Associate Professors Oesper, Farnau; Assistant Professor Smith; Instructors Boone, Lane

1a, 1b. Engineering Metallurgy; Engineering Metallurgy Laboratory.—A course designed to give an introduction to the metallurgical principles underlying the commercial production of metals and alloys; and an explanation of their various mechanical and physical properties. *First and second sem-*

*Elective
†German is a requirement; French is optional.

esters, second year. Two lectures and one laboratory period a week. For civil, electrical, mechanical, chemical, and metallurgical engineers. Mr. Boone and assistants

Prerequisite: C. E. 20; M. E. 4; Ch. E. 1a, 2a, 3b, 4b

3a, 3b. METALLURGICAL CALCULATIONS.—Mathematical treatment of blast furnace, open hearth, Bessemer and stack construction. Metallurgical thermochemistry. Mr. Boone

5c, 6c. METALLOGRAPHY.—Thermal investigation to verify the iron-carbon equilibrium diagram, and a microscopic study of the constitution of steel. *Third year, summer term.* Five lectures and five laboratory periods. Mr. Boone

Prerequisite: Ch. E. 12a, 13a; Met. E. 3a, 3b

7a, 8a. METALLURGY OF IRON AND STEEL; METALLURGY OF IRON AND STEEL LABORATORY.—*First semester, fourth year.* Five lectures and two laboratory periods a week. Mr. Boone

Prerequisite: Met. E. 3a, 3b, 5c, 6c

17c. FERROUS AND NON-FERROUS ANALYSES.—Complete analyses of steels, brasses, babbits, bronzes, and lead. Three lectures and five laboratory periods a week. Mr. Boone

Prerequisite: Met. E. 3a, 3b

11c. METALLURGICAL DESIGN.—A definite problem involving the design of some item of metallurgical equipment to be completed in the form of working drawings. *Summer term, fourth year.* Mr. Smith, Mr. Boone, Mr. Lane

Prerequisite: M. E. 13, 14

12a, 13a. ELECTRO-METALLURGY; ELECTRO-METALLURGY LABORATORY. Construction and operation of various types of electric furnaces used in metallurgical industries. *First semester, fifth year.* Three lectures and two laboratory periods a week.

Prerequisite: Met. E. 3a, 3b Mr. Boone

14a, b. THESIS.—An investigation of a special metallurgical problem. Mr. Fry, Mr. Smith, Mr. Boone

15a, b. CONFERENCE.—A weekly meeting for the discussion of specific problems or details of processes or operations which cannot consistently be covered in the regular classes. Mr. Boone

20b. HEAT TREATMENT.—*Second semester, third year.* Two laboratory periods a week. For mechanical engineers. Mr. Boone

THE COOPERATIVE SYSTEM IN COMMERCE

Plan of Instruction

In recent years there has been a growing demand for commercial training which should include a knowledge of engineering. Business men, most of whom are concerned with either the management or the financing of industrial projects, have felt increasingly the need of a technical background. Experience has shown that engineers, on the other hand, frequently enter administrative positions in which their technical training must be supplemented by a knowledge of commercial subjects. In order that students may be equipped upon graduation to work towards managerial positions, a course has been devised which provides a twofold kind of training. That is, as a prerequisite to his studies in economics, finance, marketing, accounting, and other commercial subjects, the student is given a certain amount of instruction in the fundamental sciences on which engineering is based.

In the Department of Commerce, as in the engineering departments, the instruction is given on the cooperative plan. Under this arrangement, the student spends alternate two or four-week periods at work in various business establishments in and near Cincinnati. During the first two years of the course, emphasis is placed on production, and the student obtains experience in one of the electrical, chemical, or mechanical manufacturing plants. Here he studies at first hand problems of administration, machinery, shop layout, internal transportation, and other phases of production. In the later years of his course, the student is transferred either to the sales and administrative offices of the manufacturing firm with which he has been employed, or to other business organizations in which he can find practical applications for his commercial studies. He is also encouraged towards the end of his course to specialize in accounting, traffic, sales, or other commercial work. The scale of wages is practically the same as for engineering students in the corresponding period. Much, however, depends upon the ability and interest shown by the individual student.

The curriculum of the course is arranged to meet the three main problems of management, namely: production, financing, and marketing. The manager of any business is at one time or another concerned with all of these problems. He must know something of the production process in general and in his business in particular. Since his business must be financed with fixed and working capital, he must know something of the financial institutions and of the principles of corporate finance. Further, in the marketing of his product he must know something of commercial geography, trade routes, tariffs, marketing methods, and channels of trade.

Production is in the main based upon the fundamental sciences. Therefore, chemistry, physics, mathematics, and mechanics constitute the main theoretical material for the study of this phase of the manager's problems. The first two years' work is devoted to these subjects. For a description of the methods of teaching these courses see pages 182 to 185.

The last three years of the course are devoted to a study of the problems of financing and marketing. These terms must be interpreted broadly as including all the relationships involved in the conduct of business aside from the purely internal technical processes of production. Such an interpretation recognizes the dependence of the business manager upon modern business institutions. In the financing of his project and the marketing of his product, the manager is confronted with a highly complex industrial scheme made up of many kinds of institutions. In order to utilize his own equipment most effectively he must understand much more than the immediate transactions of purchase and sale entered into with other persons and corporations. He must go further and analyze the institutions of which he and they are a part. He must understand the interrelationships involved, the part each plays in the whole industrial scheme. This is essential in order to enable him to determine policies affecting all phases of his business.

In order to furnish this broad insight into the modern industrial system, considerable stress is laid in this course upon economic theory, history, commercial geography, and literature. These courses are closely coordinated, so as to give a grasp of the evolutionary character of social institutions and forces.

In addition to this broad knowledge of industry and civilization in general, a considerable technical knowledge of specific institutions and business practices is required. Accordingly, a knowledge of statistics, accounting, banking, finance, commercial law, and marketing methods is fundamental.

Commerce—Cooperative Plan

Courses Required for the Degree of Com. E.

See page 185 for subjects required previous to the beginning of the second summer.

Subject	Course	Exercises per Alternate Two Weeks		
Second Summer Term		*1st Sem.*	*2d Sem.*	*Summer*
Mathematics	Math. 50c			6
Industrial Equipment	Com. 49c			5
Surveying	C. E. 3c			3
English	Eng. 42c			1
Military Science and Tactics	Mil. 2c			3
Statistics	Fin. 50c			5
Third Year				
Principles of Economics	Econ. 50a, 50b	5	5	
Principles of Accounting	Acct. 50a, 50b	5	5	
Language	Lang. 50a, 50b	3	3	
History	Hist. 50a, 50b	3	3	

Subject	Course	Exercises per Alternate Two Weeks 1st Sem.	2d Sem.	Summe
Geography	Geog. 50a, 50b ..	5	5	
Coordination	C. 23a, 23b	1	1	
English	Eng. 63a, 63b ..	1	1	
Principles of Economics	Econ. 50c			5
Principles of Accounting	Acct. 50c.....			5
Language	Lang. 50c			5
English	Eng. 63c			5
*Military Science and Tactics	Mil. 3a, 3b, 3c ..	2	2	2

Fourth Year

Money	Fin. 51a	5		
Banking	Fin. 51b		5	
Economic Theory	Econ. 51a, 51b ..	3	3	
Language	Lang. 51a, 51b ..	3	3	
Cost Accounting	Acct. 51a, 51b ..	3	3	
History	Hist. 51a, 51b ..	3	3	
Trade and Transportation	Mark. 51a, 51b ..	5	5	
English	Eng. 64a, 64b, 64c	1	1	1
Coordination	C. 24a, 24b	1	1	
Foreign Exchange	Fin. 51c			5
Language	Lang. 51c			5
Economic Theory	Econ. 51c			3
Cost Accounting	Acct. 51c.....			3
Trade and Transportation	Mark. 51c			5
*Military Science and Tactics	Mil. 4a, 4b, 4c ..	2	2	2

Fifth Year

Marketing, Methods and Problems	Mark. 52a, 52b ..	5	5	
Corporation Finance and Investment	Fin. 52a	5		
Public Finance	Fin. 52b		5	
History	Hist. 52a, 52b ..	3	3	
Commercial Law	Com. Law 52a, 52b	3	3	
English	Eng. 65a, 65b ..	1	1	
Coordination	C. 25a, 25b	1	1	
Labor	Econ. 52a, 52b ..	3	3	
Economic Problems	Econ. 53a, 53b ..	2	2	
*Military Science and Tactics	Mil. 5a, 5b	2	2	

*Elective

COMMERCE

PROFESSOR STEVENSON, CHAIRMAN

49c. INDUSTRIAL EQUIPMENT.—This course includes a survey of the mechanical equipment commonly used in industrial plants. Inspection trips are made to various plants to study the power plant equipment, the transmission of power and heat, and the types of machinery and appliances used in production. Reports covering the trips are required. The purpose of the course is to give the student a grasp of the factory process before entering upon his more specialized studies in commerce.

ACCOUNTING

PROFESSOR STEVENSON

50a, b, c. PRINCIPLES OF ACCOUNTING.—A study of the principles of accounting is made by the combined lecture and problem method. Emphasis is laid upon the analysis of accounting statements and reports from the standpoint of the various investors in the business enterprise.

51a, b, c. COST ACCOUNTING.—The organization of factory accounts, the preparation of statements, and the use of statistics for managerial purposes are considered in this course. The central problem consists in the analysis of statistical statements for the use of the operating management.

ECONOMICS

PROFESSOR WHALING

50a, b, c. PRINCIPLES OF ECONOMICS.—Economics is a systematic study of industrial life: of the mechanism of business, and of the motives which influence men in the business world. Underlying and fundamental principles are emphasized.

51a, b, c. ECONOMIC THEORY.—A continuation of the Principles of Economics. A more thoroughgoing examination is made into some of the fundamental problems of production, distribution, and consumption of wealth than was possible in the beginning course.

52a, b, c. LABOR.—This course is devoted to a study of labor problems; wage systems; labor and employer organizations; immigration; labor legislation, including industrial insurance, minimum wage laws, etc.

53a, b, c. ECONOMIC PROBLEMS.—This course is designed to focus the work of all the departments—economics, accounting, finance, marketing, etc.—on the solution of problems drawn from busi-

ness experience. The work will be in the hands of a committee consisting of the several heads of departments.

FINANCE

Professor Whitney

50c. Statistics.—The aim of this course is to acquaint the student with the purpose and methods of collecting numerical data concerning business conditions and prospects. Attention will be given to the determination of the kinds of facts which are significant; the planning of an investigation, the assembling of the data, the interpretation of the statistics, and the presentation of the results by means of graphs, tables, and reports will all be stressed.

Required for all commerce students during their second summer session.

51a. Money.—This is the basic course in finance. The role of money in modern industrial society is examined, and the students are brought to see the important service of money, but at the same time are cautioned to observe that money cannot do some of the things expected of it. Mistaken monetary legislation of the past and current monetary fallacies are examined critically. The relations between the Government, the banks, and the money supply are considered, and the connection between money and prices is studied and illustrated by reference to present-day conditions.

51b. Banking.—The purpose of this course is to enable the student to understand the operation of the financial machinery which makes modern business possible. The economic service of banks, the various types of banking institutions, the methods of extending and regulating credit, the meaning of various banking terms and processes, and the public service nature and public regulation of banking are discussed.

51c. Foreign Exchange.—This course deals with the financing of international trade, and the handling of foreign investment operations. The student is made familiar with the agencies which deal in foreign exchange, with the various types of drafts and bills of exchange, and with the underlying influences which determine the price of exchange. The effect of changes in the rates of exchange on domestic and foreign trade is examined with reference to particular countries.

52a. Corporation Finance and Investment.—The causes for the growth in importance of the corporate form of business organization are traced, and the sources of weakness in such organizations are considered. The students will examine

the methods used by existing business enterprises in obtaining capital and in financing current operations. A knowledge of the various types of corporation securities and the methods of marketing them will be obtained. The organization of the money market and the operation of the stock exchange will be observed. All of the courses in finance will culminate here in a study of the fundamental principles which should guide the individual in the handling of his own funds.

52b. Public Finance.—In this course the principles underlying the financial problems of the state and national governments are examined. The character, tendency, and social aspects of public expenditures are considered; the various sources of public revenue are sought, and a critical examination of such tax measures as the income tax, the inheritance tax, the excess profits tax, the general property tax, the single tax, and the corporation tax is made; and the methods of meeting deficiencies in revenue, such as public borrowing, are studied. Special consideration will be given to the subject of war finance.

GEOGRAPHY

Professor Fenneman

50a, b. The Physical Basis of Geography.—Selected topics from geology and physical geography are considered. Only such principles are here treated as are necessary to the understanding of official government reports and other standard sources of information on the physical geography and resources of foreign countries. The centers of interest are soils, water supply, topographic features, the nature of mineral deposits, and the ocean.

51a, b. Climatology and World Survey.—The aim of this course is the division of the earth's surface into natural provinces based on climate, altitude, and character of vegetation, so that each province is more or less homogeneous. Each is then treated briefly with reference to physical features, resources, native civilization, exploitation, and ultimate value.

HISTORY

Professor McGrane

50a, b. History of England and the British Empire.—The purpose of this course is to present a general survey of the development of the English nation from the earliest to modern times. Especial emphasis will be laid on the social and economic

movements, with a view towards a better understanding of present day issues within the British Empire.

51a, b. History of Europe in the Nineteenth Century.—A careful survey is made of the leading European nations since the Congress of Vienna. Among the topics treated are the rise and spread of democracy; the industrial revolution; the rise and spread of trade unionism; the clash of nationalities; the balance of power; the great war and problems of reconstruction.

52a, b. Development of the American Nation.—After a brief survey of colonial institutions, the instructor emphasizes the history of the United States since the formation of the constitution. The economic and social problems following the Civil War are treated in detail in order to make clear the political, social, and economic backgrounds of present business conditions.

MARKETING

Professor ————

[51a, b, c. Trade and Transportation.] A study is made of the principles of trade and transportation, both domestic and foreign, including trade routes, commercial policies, and transportation systems. This course presupposes the work in commercial geography.
Omitted in 1920-1921

[52a, b, c. Marketing Methods and Problems.] This course naturally follows the course in Trade and Transportation. A study is here made of the technique and organization of marketing. In essence, the course presents the problems of the sales manager and shows how they have been solved generally and by various concerns. It attempts in all cases to disclose the principles involved. It embraces both domestic and foreign marketing.
Omitted in 1920-1921

FOREIGN LANGUAGE

*Spanish

Instructor Eberhardt

50a, b, c. Spanish.—Following a study of the essentials of grammar, practice is given in composition and conversation, with emphasis on the vocabulary of business. The texts read also are selected for their practical vocabulary and for subject matter pertaining to Spain and Spanish America.

*Note.—For the courses to be given in French, German, and Chinese the same method of approach will be followed as has been outlined for Spanish.

51a, b, c. Spanish.—A short review of grammar is made and the reading of commercial Spanish is taken up. The composition work is based on the writing of commercial documents. Spanish-American literature is read for the purpose of gaining an insight into the ideals, habits, and customs of Spanish-Americans. Opportunity is afforded for practice in conversation and composition.

ENGLISH

(Special for Commerce Students)

Professor Park; Instructors Bengert, Haehnle

63a. Journalism.—In this course, types of articles are considered, together with problems of writing and editing material intended for publication. One credit hour.

63b. Business Correspondence.—The work of the second term deals somewhat with the forms of business letters, but more especially with effectiveness in commercial correspondence. One credit hour.

63c. Literature.—The subject-matter of this course consists chiefly of novels, short stories, and plays which illustrate the delineation of character, and the relation between character and incident. Five credit hours.

64a. Public Speaking.—In the first term, the conditions governing effective oral expression are considered, with special reference to the presentation of technical matter to a lay audience. One credit hour.

64b. Argumentation.—In the second term, attention is given to the analysis of debatable questions and the presentation of the student's conclusions. One credit hour.

64c. Abstracts and Reviews.—The work of the summer term includes the writing of reviews and abstracts based on the literature used in the student's commercial courses. One credit hour.

65a. Report Writing.—This course deals with the presentation of data, both in written and in graphic form. Special attention is given to the requirements for commercial reports. One credit hour.

65b. Report Writing.—The special problem for the second term is the preparation of a thesis. One credit hour.

MATHEMATICS

(Special for Commerce Students)

Professor Brand

50c. The Mathematical Theory of Statistics.—The fundamental concepts in the mathematical theory of statistics will be

treated in this course, their properties developed, and their applicability to various classes of statistics illustrated by examples. The most important concepts involved arise in the treatment of frequency distributions, statistical averages, measures of dispersion, and correlation.

COMMERCIAL LAW

52a, b. COMMERCIAL LAW.—A study of law and legal cases bearing particularly upon business is made in this course. The subjects covered are restricted to the legal problems most frequently confronting business men.

SPECIAL COURSES IN ENGINEERING

Special courses for young men who have had practical experience in some branch of engineering and who desire to become more efficient in the advanced theory of their work, are arranged by the Dean of the College of Engineering and Commerce, and every facility is offered to enable such men to obtain the special work which they desire without their being candidates for the engineering degree.

GENERAL COURSES OF INSTRUCTION

APPLIED MATHEMATICS

1a. TECHNICAL MECHANICS.—*First semester.*
Sec. I (civil and chemical engineers)
Sec. II (electrical and mechanical engineers) Mr. Hundley

2b. STRENGTH OF MATERIALS.—*Second semester.*
Sec. I (civil and chemical engineers)
Sec. II (electrical and mechanical engineers) Mr. Hundley

ENGLISH

In the following courses, except English 53, inspection-trip, laboratory, and special reports are written under the direction of the Department of English. One hour of credit is given for the work of each semester and for that of each summer term. Written criticism of reports is supplemented

by conferences, and, in the first year, by lectures on the principles of English composition. Conference and recitation hours are to be arranged.

41a, b, c. First-Year Reports and Conferences.—Three credits.
Mr. Park, Mr. Bengert, Mr. Haehnle

42a, b, c. Second-Year Reports and Conferences.—Three credits.
Mr. Park, Mr. Bengert, Mr. Haehnle

43a, b, c. Third-Year Reports and Conferences.—Three credits.
Mr. Park, Mr. Bengert, Mr. Haehnle

53a, b. Journalism.—(For third-year cooperative students.) Along with practice in the technique of journalism, considerable attention is given to literature and literary composition.
Mr. Park, Mr. Bengert

44a, b, c. Fourth-Year Reports and Conferences.—Three credits.
Mr. Park, Mr. Haehnle

45a, b, c. Fifth-Year Reports and Conferences.—The work of this year includes the preparation of a thesis. Two credits.
Mr. Park, Mr. Haehnle

The courses listed below are given for commercial students in the third, fourth, and fifth years, as indicated by the numbers 63, 64, and 65, respectively. A detailed description of these courses will be found on page 216.

63a. Journalism.—One credit.

63b. Commercial Correspondence.—One credit.

63c. Literature.—Five credits.

64a. Public Speaking.—One credit.

64b. Argumentation.—One credit.

64c. Abstracts and Reviews.—One credit.

65a, b. Report Writing.—Two credits.

*GEOLOGY AND GEOGRAPHY

2. Engineering Geology.—Lectures and laboratory.
Mr. von Schlichten

9. Historical Geology.—Lectures. Mr. Bucher
Prerequisite: Course 2

11. Practical Exercises in Structural Geology (lab. only).—One hour credit. Mr. Bucher

*Note.—For courses in Geography for Commerce students, see page 214.

5b. Field Geology and Survey Methods.—*Second semester.* Hours and amount of credit to be arranged by agreement with each student. Mr. Bucher
Prerequisite: Course 2

7. Mineralogy.—Lectures and laboratory. Three credits. Mr. von Schlichten

12. Petrology.—Hours and amount of credit to be arranged.
Prerequisite: Course 7 Mr. von Schlichten

22. Appalachian Field Course.—Eight weeks during summer in camp in southwestern Virginia. Eight credits. Mr. von Schlichten

25. Mineralogy for Engineers. Mr. von Schlichten

*GERMAN, FRENCH, OR SPANISH

40. Elementary German.—For students in Chemical Engineering. Mr. Eberhardt

41. Second-Year German.—For students in Chemical Engineering. Mr. Eberhardt

HISTORY

74a, b. Contemporary Progress in Europe.—A brief survey of the historical development of Europe during the last century. Particular stress is laid on the social, economic, intellectual, and political issues in the various European nations, with a view towards a better understanding of present-day problems in these nations. Mr. McGrane

75a, b. The Development of the American Nation.—A survey course of United States history since the adoption of the constitution. Particular emphasis is laid on the period since the Civil War. Mr. McGrane

50a, b. History of England and the British Empire. Mr. McGrane

51a, b. History of Europe in the Nineteenth Century. Mr. McGrane

52a, b. Development of the American Nation. Mr. McGrane

*Note.—For languages for students in Commercial Engineering see page 215

MATHEMATICS

1a, b, c. ALGEBRA; TRIGONOMETRY: ANALYTIC GEOMETRY.—
Sec. I, Mr. Kindle: 8:30-9:30, daily
Sec. II, Mr. Smith: 9:30-10:30, daily
Sec. III, Mr. Brand: 8:30-9:30, daily
Sec. IV, Mr. Salkover: 9:30-10:30, daily
Sec. V, Mr. Langenheim: 8:30-9:30, daily
Sec. VI, Mr. Hathaway: 9:30-10:30, daily
Sec. VII, Mr. Tschudi: 9:30-10:30, daily

5a, b, c. CALCULUS, DIFFERENTIAL AND INTEGRAL.—
Sec. I, Mr. Brand: 9:30-10:30, daily
Sec. II, Mr. Kindle: 9:30-10:30, daily
Sec. III, Mr. Smith: 8:30-9:30, daily
Sec. IV, Mr. Salkover: 8:30-9:30, daily
Sec. V, Mr. Tschudi: 8:30-9:30, daily

C. E. 17a, b. ANALYSIS OF STATICALLY INDETERMINATE STRUCTURES.—F., 2:00-4:00. Mr. Brand

8a. ADVANCED INTEGRAL CALCULUS.—Lectures. Byerly, *Integral Calculus.* Mr. Hancock

MECH. 2a, b. DYNAMICS.—M., W., F., 10:30-11:30.
Sec. I, Mr. Brand
Sec. II, Mr. Salkover

30a, b. MATHEMATICAL ANALYSIS.—Infinite series; Taylor's Expansion; partial and total derivatives; theory of errors and method of least squares; empirical curves; graphical computation. For students in civil engineering. Tu., W., F., 10:30.
Mr. Smith

31a, b. MATHEMATICAL ANALYSIS.—Infinite series; Taylor's Expansion; elementary forms of Fourier's Series; complex quantities; hyperbolic functions; partial derivatives; multiple integrals; differential equations; empirical curves. For students in electrical engineering. Tu., Th., S., 10:30.
Mr. Kindle

35a. CALCULUS AND DIFFERENTIAL EQUATIONS.—Infinite series; Taylor's Expansion; partial and total derivatives; multiple integrals; differential equations. For students in mechanical engineering. Tu., Th., S., 10:30. Mr. Salkover

PHYSICS

1a. General Physics.—Lectures and recitations on light and heat, illustrated with experimental demonstrations. Six times a week. Mr. Gowdy, Mr. Alexander

21b. General Physics.—Lectures and recitations on thermo-dynamics, electricity, and magnetism, illustrated with experimental demonstrations. Six times a week.
Mr. Gowdy, Mr. Alexander

2a. Experimental Physics.—Laboratory work arranged to accompany Course 1a. Twice weekly. Mr. Lorenz and assistants

22b. Experimental Physics.—Laboratory work arranged to accompany Course 21b. Three times a week.
Mr. Lorenz and assistants

13b. Electrical Measurements.—Laboratory exercises with instruments of precision. Twice weekly.
Mr. Alexander and assistants

RESERVE OFFICERS' TRAINING CORPS

Professor Guthrie; Assistant Professors Hickok, Grower, Lindt

Two years of military training in the Reserve Officers' Training Corps is required of all physically fit male students in the College of Engineering and Commerce. This training consists of five hours a week or approximately 108 hours a year for the first two years, and is known as the Basic Course.

At the completion of the first two years' course, the government offers an advanced course of approximately 360 hours which can be covered in three years at five hours a week. This advanced course is selective and voluntary, and includes a summer camp after graduation. One selecting the advanced course must agree to attend this summer camp, at the conclusion of which the student is given a commission as Second Lieutenant in the Officers' Reserve Corps, provided he has attained the proper degree of excellence in the military training.

The government furnishes uniforms and all equipment and material necessary to carry on the course of instruction.

A student enrolling for the advanced course will be paid commutation of rations at the prescribed rate a day (at the present fifty-three [$0.53] cents,) for two years.

Units of Engineering and Coast (heavy) Artillery are established. Metallurgical, chemical, and civil engineering students enroll in the Engineering Unit. Mechanical, electrical, and commercial engineering students enroll in the Coast (heavy) Artillery Units.

The first year of the basic course is training common to all arms. The second year is devoted two thirds to common training and one third to the special unit (Engineers or Coast [heavy] Artillery). Throughout the advanced course the training is nearly all devoted to the special unit, only sufficient common training being given to permit the upper classmen to be selected as cadet officers.

The object of the training is to qualify graduates for commission in the Officers' Reserve Corps, who can be called to the colors as commissioned officers of the army in case of hostilities or threatened hostilities.

EVENING COURSES IN COMMERCE

(For staff lecturers see page 21.)

PURPOSE

The College of Engineering and Commerce offers an evening session in Commerce for the special benefit of those who are unable to avail themselves of the day classes.

ADMISSION

Persons desiring to take the Evening Commerce Course as candidates for credit may enter as matriculates or as special students. Application should be made to the Dean of the College of Engineering and Commerce, University of Cincinnati.

MATRICULATES

Requirements for Admission

Candidates for a degree must be at least sixteen years of age and must present fifteen units, to be distributed as follows:

English.—Three units

Algebra.—One unit

History.—One unit

In addition to these specific requirements the candidate must offer seven units from the following: English, mathematics, language, history, physics, chemistry, zoology, botany, physical geography, commercial geography, astronomy, physiology, plane geometry, or solid geometry.

The remaining three units shall constitute a "free margin;" that is, the University will accept any three units which the secondary schools themselves credit towards graduation.

SPECIAL STUDENTS

Persons at least twenty years of age and qualified to do university work may be admitted as special students to lectures and laboratory courses. They are required to furnish documentary evidence to the Dean of the College of Engineering and Commerce, and to satisfy the heads of the departments concerned of their ability to carry on successfully the courses which they desire to enter.

Before any special student may become a candidate for a degree he must satisfy the entrance requirements. All special students are amenable to the same regulations as apply to regular students in matters of examination, probation, discipline, etc.

AUDITORS

Persons not desiring credit for work done may be admitted to the evening classes as auditors. Candidates for admission as auditors are required (a) to secure permission from the Dean of the College of Engineering and Commerce; and (b) to satisfy the teachers of the classes which they desire to enter that they can pursue the work with profit.

Auditors are required to comply with all general regulations, including those with respect to registration, payment of fees, and attendance, and to perform such work as the teachers of their classes may prescribe.

COURSES OF INSTRUCTION

1920-1921

ACCOUNTING AND FINANCE

Accounting

1. Principles of Analytical Accounting.—The student is shown how to construct and analyze the accounts of the income and expenes statement and balance sheet of ordinary mercantile and industrial concerns. He is also required to interpret the business and financial conditions of these concerns, from the accounts so analyzed. If the student has not had bookkeeping or bookkeeping experience, he should precede or accompany this course in Principles of Analytical Accounting by Principles of Constructive Accounting. Lectures and problems. Tu., 8:15-10:00.
Mr. Becker

2. Principles of Constructive Accounting.—The student is introduced to accounting through bookkeeping. He is required to open, carry through, and close transactions through the commercial books for individuals, partnerships, and corporations. In the second semester the student is shown how to design and use accounting books and forms, with the object of making the greatest possible savings in bookkeeping and clerical work. He is familiarized with various mechanical devices for saving time and labor, and is shown how to employ them in accounting practice. He is also shown how to prepare copy for the printer and the blankbook maker. Tu., 6:30-8:15. Mr. Trumbull

3. Advanced Accounting.—A problem course in which is considered the handling of capital, revenue, good-will, treatment of bad debts, maintenance and depreciation reserves and sinking funds, contingent funds, secret reserves, and the like. It will further consider organization and dissolution of partnerships, organization of corporations and holding companies, realization, liquidation, insolvency, and special topics, such as executor accounts and brokerage and banking. Lectures and problems. Th., 6:30-8:15. Mr. Graham

4. Cost Accounting.—This course takes up the subject of designing and installing cost accounting systems for different kinds of mercantile, manufacturing, and financial enterprises. The principles underlying the subject are firmly impressed on the student's mind, and approved modern methods are illustrated by means of lectures and problems. Th., 8:15-10:00. Mr. Graham

5. Auditing.—Discussion of the duties and responsibilities of an auditor, the kinds of audits that can be made, and the value of each; the auditor's report, what it should contain; his certificate, its value; the preparation of audit reports; the making of income tax returns. Lectures and problems. M., 6:30-8:15. Mr. Trumbull

Finance

1. The Principles of Finance.—This course presents the various phases of business financiering so that the student may understand their essential characteristics, the mutual relations existing between them, and the significance of each to the business as a whole. The subjects studied are: the nature and function of finance in modern business; the stock exchange; investment bankers; commercial banking relations; the nature of domestic and foreign exchange; financial practice and problems of corporations; the nature and use of commercial paper; and investments and their relation to general business. M., 8:15-10:00. Mr. Geisler

5. Credits and Collections.—The course begins with a consideration of the relation of the credit system to the organization of the present day commercial world. Following this, the subject is presented from the standpoint of the credit man. It includes a study of banking credit, personal credit, and mercantile credit. The following subjects are studied: credit instruments; the organization and technique of the credit department; the source of credit information; the analysis of credit information and financial statements; the work of associations of credit men, including exchange bureaus and adjustment bureaus; legal problems of credit, such as concern bankruptcy and insolvency. F., 8:15-10:00. Mr. Atkins

ADMINISTRATION

1. Elements of Business Administration.—This course is designed for the person who looks forward to being a business executive. It opens with a discussion of the factors which make for success in any kind of an enterprise, viz., location, lay-out and arrangement of plants, structure of buildings, internal organization, management, and selling. The course considers the relationship that should exist between the different expenses in different kinds of enterprises, viz., materials, wages, operating charges, selling and administrative expenses. Coincident with the discussion of these factors, the student is shown how to analyze the accounting data so as to localize weaknesses in all of the administrative divisions of concerns. He is also shown how to make reports and present data to executives, so that they may see the actual business conditions of the enterprise as a whole and in all its parts. W., 8:15-10:00. Mr. Funke

COMMERCIAL LAW

1. Legal Relation of Buyer and Seller.—In this course the relation of buyer and seller is traced to its origin in contract. The place of the contract in business is then examined, after which the general subject of contracts is studied at length. Especial attention is given to the contract of sale and the "Uniform Sales Act." The principal divisions are: offer and acceptance; parties; the consideration or price; formalities; legality of the object (with references to criminal law and torts); the reality of the consent, that is, the absence of fraud, mistake, undue influence, and duress; conditions and warranties; misrepresentations not amounting to fraud; implied terms in special contracts; interpretation, construction, and operation of contracts; discharge of contracts by operation of law and by act of the parties. The case method is used. Th., 6:30-8:15. Mr. Koenig

2. Legal Relation of Debtor and Creditor.—This course begins with the rights of an unpaid seller. It proceeds to show how the protection of the creditor's rights in law has contributed to the evolution of the credit system, and how, with the growth of that system, new means to safeguard the creditor have been provided. These include the means provided by law for subjecting a debtor's property to the payment of his debts, and contractual provisions for security, as in the cases of liens, mortgages, guaranty, and suretyship. The second half of the course is devoted to the law of commercial paper under the following heads: nature, characteristics, and place in business life; form; negotiation; the implied terms of the maker's and acceptor's contract; the implied terms of the drawer's and indorser's contract. Selected cases. W., 6:30-8:15. Mr. Koenig
 Prerequisite: Commercial Law 1

3. Law of Business Organization.—This course deals with the relation between master and servant, the relation between principal and agent, the partnership relation, and, finally, the corporation. These taken together form a series of internal business relations. The history of these relations, as they have developed from each other in the order named, is traced in outline to show the function of the law as a cementing force in the business structure. Under each set of relations the following topics will be studied: the formation of the relation; the mutual rights and obligations of the parties; the rights and obligations of third parties; and the dissolution of the relation. Lectures, selected cases, and students' reports. W., 8:15-10:00. Mr. Koenig

4a. Legal Phases of Corporate Organization and Management.—Includes pre-incorporation considerations, stock systems, control,

charter, by-laws, meetings and records, stock records and transfer, corporate funds, corporate arrangements, and bankruptcy.

4b. Real Estate and Personal Property.—Estates in real property: land; its constituents, growth, and fixtures; relative rights of adjoining owners; transfer of interests in lands; mortgages and liens; relationship of landlord and tenant; classification of personal property; kinds and estates; acquisition and transfer of personal property and special types of personal property: good will, trade secrets, trade names, credit, patents, and trade marks.

ENGLISH

1. Business English.—This course is planned for correspondents, stenographers, and such other persons as are interested in the present movement to humanize business English. The various types of letters, such as letters of application, adjustment, sales, follow-up, and collection, will be studied. The written work will consist mainly of letters. In addition there will be lectures, class discussions, and written reports on assigned readings.

The course presupposes a knowledge of the principles of grammar, punctuation, and sentence structure. A rapid survey of these will, however, be given in order to refresh the minds of the students. F., 6:30-8:15. Mr. Jenkins

MARKETING

3. Advertising.—This course covers both the theoretical and practical sides of advertising. The students are first given a thorough grounding in the principles of advertising, and later the entire time is devoted to practical work. Each student works out the advertising problems of his own business. Special campaigns are assigned the class for practical solution. Great stress is laid on copy writing and planning. The course covers the following: the history of advertising; the psychology of advertising; trade marks and trade names; market analysis; copy; layout; art; type; plates; printing; newspaper, magazine, and direct advertising; sales letters; bill board and street car advertising. Special lecturers address the class throughout the course. M., 8:15-10:00. Mr. Moore

4. Salesmanship.—The student takes up in detail the following subjects: nature, distribution, and elasticity of human wants; effective demand as influenced by income, social class, and custom; the technique of selling,—the approach, exposition, and persuasion; qualities of the salesman; plans sales; credits and sales; records of sales and selling costs. In the latter half of the course, sales-

men from representative commercial establishments of Cincinnati will address the class and conduct sales demonstrations. M., 6:30-8:15. Mr. Oliver

5. Traffic Management.—The object of this course is to fit the student for the actual work of handling traffic problems that arise in the transaction of business. The textbook used gives a summary of the origin, growth, and development of the railroads, and presents a comprehensive view of the organization of a railroad in all its departments, a description of the various services performed, and the methods and equipment used. Among the various subjects included are tariff construction and use, making out of bills of lading, routing and rating shipments, auditing freight bills, presentation and handling of claims and problems in demurrage, storage switching, etc. Th., 8:15-10:00. Mr. Renshaw

6 Advanced Transportation.—This course covers a complete analysis and digest of the Transportation Act of 1920 and the Interstate Commerce Act, and embraces not only the act itself, but decisions and arguments of the Interstate Commerce Commission and Congress with respect thereto. There is also included in this course a study of the Pomerene Bill of Lading Act and various important supreme court and other court decisions, including the McCall-Dinzmore case and Darnall-Tanzier cases. Considerable time is also devoted to the rules of practice before the state and interstate commissions, including conference rulings and tariff circular regulations.

COLLEGE OF MEDICINE

I. THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF CINCINNATI

(For list of officers of instruction and administration, see pages 27-40)

1. HISTORICAL STATEMENT

Through adoption of its new city charter by the City of Cincinnati in 1916 the College of Medicine of the University of Cincinnati (a municipal institution) and the Cincinnati General Hospital (also a municipal institution) were fused into a single organization administered by the Board of Directors of the University of Cincinnati. This act made permanent an arrangement which had previously been existent as an affiliation. The faculty of the College of Medicine thus became the attending staff of the General Hospital and, conversely, the attending staff of the hospital became responsible not only for the care of Cincinnati's ill poor but for the teaching of the medical students. The whole arrangement now assures the public that the highest medical and surgical skill present in this city will be available for the good of its charges, while, on the other hand, the teaching possibilities incident to the care of many hundred ill are taken advantage of for the training of capable medical men. The foundation cost to the public of meeting in this way the needs of its sick poor is in no way increased, for the need and cost of maintaining a municipal hospital is the same as heretofore, while all the benefits of having at its disposal the energies of a medical faculty maintained, in the main, through the generous enterprise of Cincinnati's citizenship are added without cost to the municipality. Indirectly all the combined costs are repaid Cincinnati and the surrounding country in the better skill of the medical men who are the product of such a teaching hospital. Almost sixty percent of the practitioners of Cincinnati and its environs are graduates of this school.

The College of Medicine of the University of Cincinnati has since 1909 incorporated within itself all the best medical interests which made Cincinnati famous as a medical center in the last half of the last century. Historically, the present College of Medicine is, therefore, the outgrowth of the old Medical College of Ohio, the Miami Medical College, the Pathological School of the Cincinnati General Hospital, the Cincinnati College of Medicine and Surgery, and the Laura Memorial Medical College.

2. GENERAL PLAN OF EDUCATION

It will be seen from this that the medical department of the University of Cincinnati is both in spirit and in fact a unit. All the courses required for graduation in medicine are given in the buildings constituting

the laboratories and wards of the College of Medicine and the General Hospital, with its Out-Patient Dispensary. Free and continuous contact between the so-called academic branches of medicine and the clinical years is thus maintained. After satisfying his college of liberal arts requirements the student is inducted into the medical atmosphere, by entering the laboratories of anatomy, biochemistry, physiology, pathology, and bacteriology. In the second half of his second year he begins to make contact with clinical courses, all of which are given in the wards, classrooms, and amphitheatres of the hospital buildings. Free intercourse between the professors and instructors of the first two and last two years of the medical curriculum in laboratories and scientific and social gatherings is thus maintained. Easy access of students to professors and instructors is fostered, as is also an easy play between the scientific laboratories and the clinics on the one hand and the clinics and scientific laboratories on the other, in order that education in the academic branches may not become too academic, and the practical work of care for the ill not too practical.

3. MATERIAL EQUIPMENT

The physical equipment of the College of Medicine as it now stands covers 67 acres. The divisions represented by the General Hospital, the Out-Patient Dispensary and medical instruction including all the physical necessities of clinical and laboratory work are housed in the 30 odd buildings now standing upon this ground. The Board of Trustees of the University of Cincinnati has medical administrative charge.

The General Hospital is owned by the city and has no accommodations for pay patients. Private patients are accommodated in five other large hospitals, one of which is just across the street from the General and three others within a mile. The Cincinnati General Hospital is one of the most modern, carefully designed, and completely equipped hospitals in the country. It was built at a cost of about $5,000,000. It has 850 beds. It is built on the pavilion plan and embraces twenty-four large buildings, all connected by overground and underground corridors. The contagious group consists of a separate unit of seven pavilions similarly connected with each other. The hospital occupies a high and healthful location in a quiet and attractive part of the city. The equipment throughout is of a most modern and up-to-date character, a maximum of sunlight and air being provided by the style of building adopted.

The administration building houses the offices of the hospital, the general library, and the resident staff of the hospital. The admitting department is in a separate building containing waiting rooms, examination rooms, emergency operating rooms, male and female wards where patients arriving after 9 P.M. are kept until the next morning in order not to disturb the patients in the regular wards, dressing and bathrooms, and social service rooms. In its basement are located a clothing disinfecting plant,

and a tailor shop for repairing and pressing the patient's clothing, which is then kept in dust-proof fashion until his discharge. Here are also large and specially equipped rooms for sunstroke and poison cases.

The first floor of the surgical pavilion contains a large amphitheatre with a seating capacity of 250. On this floor are also two large operating rooms, with their suites of sterilizing rooms, surgeons', nurses', and students' preparation rooms, anesthetizing rooms, and recovery rooms. On the second floor are two smaller operating rooms and a dental operating room and laboratory. In the basement is located one of the most complete x-ray departments in this country and the drug department. The amphitheatre and several operating rooms in the surgical pavilion are used for operative clinics and clinical lectures. Clinical instruction in both medicine and surgery and in the specialties is given in the eight large general wards and buildings of the hospital, and in the seven set aside for the infectious diseases.

The college has control of all the clinical facilities of the hospital, its professors forming the staff of the institution. Clinical instruction in each department is therefore under the direction of specialists. Didactic lectures in medicine, surgery, etc., are also provided for in the college building.

In addition to the above, the College of Medicine has entered into a cooperative agreement with the *Cincinnati Board of Health*, under the terms of which students of medicine receive advantages that could not otherwise be enjoyed.

The Branch Hospital for Tuberculosis is a part of the General Hospital and is administered by its staff. It consists of some six well equipped pavilions and a laboratory located pleasantly on high ground in the suburbs of Cincinnati. Students spend from one to two whole days here a week for one semester in their Junior year, studying the patients from their reception into the hospital, through wards and laboratories, into the postmortem room if death occurs.

The College Dispensary.—Through the generosity of Hospital Commissioner Charles Boldt, the facilities for clinical teaching in the College of Medicine were greatly furthered by the establishment of the commodious and splendidly equipped Out-Patient Dispensary. This occupies the basement floors of three of the general ward buildings, and was opened in May, 1917. Connected with it are a general administrative staff and a large corps of nurses and social service workers. A drug department and clinical laboratories are also included. The dispensary contains the following departments, each under the direction of a chief: medicine, surgery, pediatrics, obstetrics, gynecology, orthopedics, neurology, genito-urinary surgery, ophthalmology, otology, and laryngology, and is open daily. Over 40,000 patients were treated at the dispensary last year.

The Laboratories for anatomy, biochemistry, physiology, pharmacology, bacteriology, and pathology are housed in what is known as the

college of medicine building and the pathologic institute. *The College of Medicine building* was completed, ready for occupancy, in October, 1917. It was built largely by the generous gift of Mrs. Mary M. Emery, and with equipment has cost about $750,000.

The building houses the departments of anatomy, biochemistry, physiology, pharmacology, and preventive medicine. Its surroundings are clean, quiet and attractive. It is a brick and concrete structure, four stories high, built in the shape of the letter E and has a frontage of 300 feet. The stories are unusually high, and the lighting and ventilation are unsurpassed. There is an animal house with quarters for attendants and runways for animals outside of the main building. The departments of anatomy and histology are in the north wing, of physiology and biochemistry in the south wing, and of pharmacology in the central portion. Here also are the offices, library, large assembly hall and dining hall for students and faculty. The assembly hall seats 500 and is equipped with projection apparatus and moving picture apparatus of the modern type.

The departments of pathology and bacteriology are taken care of in the *Pathologic Institute*. The basement of this building is occupied by workrooms where culture media are made, by a cold storage room and incubators, and the coroner's postmortem room. The first floor is occupied by the student laboratory of clinical pathology, a stockroom, a special laboratory for serology, and one for special work upon the secretions and excretions of the body. Attached to the latter is a spectroscopic room. The second floor is devoted to pathology, administrative offices, and the postmortem amphitheatre. The third floor is devoted to bacteriology and a series of private laboratories. The fourth floor is occupied by the photographic suite and the museum. The fifth floor is devoted to animal hutches and animal operating rooms. The museum of the pathologic institute contains a large number of anatomical and pathological specimens, including the Mussey and the Shotwell collections, the former the gift of the late Dr. Nathaniel Pendleton Dandridge.

Other Facilities.—The faculty of the College of Medicine is largely represented in the staffs of the *Good Samaritan Hospital, Christ Hospital, Jewish Hospital, Deaconess Hospital, St. Mary's Hospital,* and the *Episcopal Hospital for Children.* While no regular place in the college schedule is allotted for clinical teaching in these institutions, there is abundant opportunity for utilizing their large amount of clinical material.

Longview Hospital for the Insane contains 1,550 beds. Clinical lectures on mental diseases are given here during February and March each year. These lectures and clinics by members of the faculty of the College of Medicine are made possible through the courtesy of Dr. E. A. North, superintendent of the hospital. Admission to these lectures is open to Seniors, whose attendance is mandatory, and to practitioners of medicine.

4. MEDICAL LIBRARIES

The library facilities of the College of Medicine are large. In 1911 Miss Lena Dandridge presented to the college the library and library furniture of the late Dr. N. P. Dandridge, and, in addition to this gift, Miss Dandridge gives annually a sum of money for the equipment and endowment of the surgical library, known as the Dandridge Memorial, and comprising over 4,000 volumes and 1,187 pamphlets. The Whittaker Medical Library, bequeathed by the late Professor James T. Whittaker, comprises 1,547 volumes and 538 pamphlets. The Seely Library, of the late Professor W. W. Seely, given to the college by Mrs. Seely, contains over 1,000 volumes and many pamphlets. Mrs. Eichberg has presented to the college the library of the late Dr. Joseph Eichberg, and the Library Association of Cincinnati has given its very valuable collection of books. The library of the late Dr. Christian R. Holmes added 1,361 medical volumes to the college library. Dr. Robert W. Stewart and the family of Dr. George B. Orr each gave a valuable collection of books on medical subjects. A pro rata fraction of the Baldwin Endowment of the University becomes available for the acquisition of files and volumes of importance for workers in medical research.

The library of the Cincinnati General Hospital contains about 30,000 volumes, consisting largely of complete files of the more important medical and scientific periodicals of the world. Current literature in the University library comprises not only the more important American journals, but nearly one hundred foreign publications.

Research workers are also very generously permitted by Professor John Uri Lloyd and Mr. C. G. Lloyd to use the Lloyd library, the most complete library of botany and pharmacognosy in the United States, if not in the world, and very rich also in works on pharmacology and pharmaceutical chemistry. It contains over 30,000 volumes.

5. REQUIREMENTS FOR ADMISSION

Candidates for admission to the College of Medicine must present the following:

(A) Certificate of graduation from an accredited high school covering work equivalent to 15 units. This requirement is identical with that exacted of students admitted to the College of Liberal Arts, as stated and defined in the Annual Catalogue, and the Announcement of the College of Liberal Arts.

(B) Certificate of having completed in a college of satisfactory standing 60 semester hours of pre-medical work. All this work must have been completed in college and no credits given for work done in high school will be accepted. The following subjects must be included:

(1) 16 semester hours in chemistry as follows:

(a) 8 semester hours in general inorganic chemistry, of which 4 must consist of laboratory work

(b) 4 semester hours in analytical chemistry, of which 2 must consist of laboratory work

(c) 4 semester hours in organic chemistry, of which 2 must consist of laboratory work

(2) 8 semester hours in zoology or general biology, of which 4 must consist of laboratory work

(3) 8 semester hours in general physics, of which 2 must consist of laboratory work

(4) 6 semester hours in English composition and literature

(5) 6 semester hours in a modern foreign language. This requirement, in the absence of college credits, may be removed by demonstrating an ability to read fluently French, German, Spanish, or some other approved language.

These specifications as to the nature of the subjects required meet the standards of the Association of American Medical Colleges and those of the War Department; in chemistry, and, to a lesser extent, in physics, they surpass them. For this reason students who complete their pre-medical courses in the College of Liberal Arts of this University are usually better prepared in chemistry, physics, and zoology than if the work is taken elsewhere. Prospective applicants for admission to the College of Medicine in Cincinnati are therefore urged to arrange their work in these subjects to conform to the pre-medical courses as set forth in this announcement and also in that of the College of Liberal Arts. Where the pre-medical student can encompass it he is urged to take in addition to the above a course of 4 semester hours in vertebrate embryology and a 4 semester hour course in quantitative chemistry. Advanced credit may be obtained for the work in embryology after entering the College of Medicine. If these things are done in the pre-medical years, time badly needed is gained for the successful completion of other subjects in medicine.

No students are admitted to regular standing if conditioned in any subject. This conforms to the rules of the Association of American Medical Colleges and the Council on Education of the American Medical Association. In exceptional cases, when the higher requirements only of this college are not entirely met, and when the Admission Committee is convinced that the applicant has unusual ability, can readily carry the full schedule of the first year, and that any conditions carried are more nominal than real, conditional entrance may be granted. But such entrance will be permitted only to those who remove all conditions before the beginning of their second year. The summer courses of the College of Liberal Arts

(see page 121) are designed to aid students in the removal of their conditions before entering the College of Medicine.

(C) The medical student's entrance certificate issued by the examiner for the Ohio State Medical Board. The regulations for securing this certificate may be obtained from the Secretary of the Ohio State Medical Board, Columbus, Ohio. This certificate has two uses:

(1) It certifies that the holder has satisfied the minimum educational requirements, as fixed by law, for admission to a medical college. It is therefore a prerequisite for matriculation in any medical college of the state. An applicant for admission to a medical college demanding entrance requirements for this certificate must: (a) secure this certificate, and (b) satisfy the registrar of the college of medicine with reference to all additional requirements.

(2) Together with a medical diploma, this certificate must be submitted to the Secretary of the State Medical Board by any applicant for admission to the examinations required of all who wish to practice medicine in the state of Ohio. It is also required in other states of practitioners who wish to practice there, by taking advantage of a reciprocity agreement.

(D) A certificate of good moral character signed by two physicians of standing in the state in which the candidate last resided.

Prospective medical students are urged to communicate their desire to enter the college well ahead of the opening of the autumn semester. It is advisable to write the Dean in the spring in order that application, credentials, etc., may be examined and passed upon. If the student is deficient in requirements, the summer months are then available for getting these off. The student must, in any case, meet the Committee on Admission not later than the appointed days for registration in September. If entrance examinations need to be taken, the candidates must meet the Committee on Admission on the days set for these examinations.

6. RULES GOVERNING MEDICAL STUDENTS

Special Students.—Graduates of medicine or others desiring to take courses not leading to graduation may be registered as special students and be admitted to such courses as they are fitted to undertake without preliminary examinations, but only by permission of the professor in charge of the course and upon payment of the fees required. The work so done may be accepted for credit later, under the rules of "Credit for Work in Medical Colleges," stated on page 239.

Requirements for Completion of a Course.—The satisfactory completion of a course shall be determined by the professor in charge, through examinations, records of attendance, and the daily work of the student. To pass in a course the student must satisfy the legal minimum of (a) attendance of at least 80 percent of the scheduled lectures, recitations, quizzes, laboratory periods, and clinical or other appointments in the course; and (b) a grade of 75 percent.

It is to be clearly understood, however, that such minima need not be and are not acceptable to the medical faculty. An explanation satisfactory to the professor in charge may be required of every absence or tardiness, and no student maintaining himself merely at the passing grade in one course after another can hope long to escape notice that he had best drop medicine or go elsewhere. It is the aim of the college not merely to turn out graduates in medicine but capable ones.

A student who has failed in a course may be required, at the discretion of his professor, to repeat his attendance upon a part or the whole of the course, or he may be re-examined after a suitable period of study. Attendance on vacation courses or private instruction will only be accepted for credit by the faculty on recommendation of the professor in charge.

The student is graded on the following University of Cincinnati basis, which has been so scaled upwards as to satisfy the minimum legal demands of every state in the Union which issues licenses for the practice of medicine:

One grade only is reported for each course. This grade is based on (a) quality of work done in the class, (b) regularity of attendance, (c) the grade in final examinations, (d) the grade in such other tests as the instructor may employ.

The grades when expressed by letters mean:

A—90 to 100 percent
B—80 to 89 percent
C—75 to 79 percent
D—60 to 74 percent (condition)
E—below 59 percent (failure, no credit)
W—Withdrawn officially at the student's own choice, by a coupon from the Dean, or on a notice of withdrawal from the Registrar
Left—Student stayed away from class and was not officially withdrawn
Dropped—Required by the Dean to drop the course for poor work
ab—Absent from the examination. If the student is absent from the examination and his work has been poor, a grade of "D" or "E" may be reported, at the discretion of the instructor.

Students who are conditioned, upon payment of the fee for a supplemental examination, will be given an opportunity to obtain credit by a special re-examination.

No examination for the removal of a condition shall be given before the period of the next regular semester or mid-semester examinations, with this exception, that a student conditioned at the end of the second semester may be examined for the removal of such condition during the opening week of the next semester following, provided he has taken work during the intervening vacation under the direction of the head of the department in which the condition was given.

Students who have been absent from the semester examinations may, at the discretion of the Dean and the heads of the departments concerned, be admitted to subsequent examinations in such work, upon the payment of the fee for a supplemental examination.

Unexcused absence from a regular examination is construed as a failure therein.

Any condition that is not removed within one year shall lapse into a failure.

The standing of "C" is the highest mark which any student may receive as the result of re-examination for the removal of a condition.

A standing of "C" is the highest mark which any student may receive as the result of an examination for the removal of "ab," except when the absence is because of prolonged and serious illness, or unavoidable detention, to be determined by the Dean, in which case the student may receive the grade rightly earned.

If the study in which the student is conditioned be a continuous one, the instructor in charge may, at his discretion, excuse the student from re-examination and allow him to obtain credit by passing his study successfully during the following semester. In such case the student shall be required to pay the fee for supplemental examinations. If such a student fails in the work of the second semester, he shall be regarded as having failed in the work of both semesters, with the standing of "E."

Students who are forced to repeat a course on account of having had an excessive number of absences, or on account of failure, shall be given such credit as they may rightfully earn, and not merely a grade of "C."

PROMOTIONS.—To enter any course a student must have completed the required courses of study which supply the preliminary preparations for that course. The prerequisite courses will be defined by the heads of departments.

Examinations shall be held at the completion of each course and at such other times during the course as the instructors may require. A student who is conditioned must take a special examination. A failure in a course requires repetition of the course.

Students who at the end of the first or second year have recorded against them failures in any two of the following major subjects—gross anatomy, biochemistry, physiology, pharmacology, pathology, or bacteriology—will not be permitted to take further work in the school except by special permission of the Dean, subject to approval by the faculty.

Students who in any semester make a consistently poor record in a majority of their subjects, having, for example, an average grade of "D," may at the option of the faculty and on recommendation of the Dean be refused further registration in the school.

No student will be permitted to enter upon the work of the Senior year until he has passed all courses of the first two years, and he must have all conditions or failures of the Junior year removed before entering the last semester of the Senior year.

Requirements for Graduation.—To receive a diploma from this college the student must comply with the following conditions:

1. The regulations of the Ohio State Medical Board in regard to registration as a medical student and admission to the college (as above explained).

2. He must have been in residence in a medical college recognized by this University for at least four years, and his last year of residence must have been in this college.

3. He must have attended at least 80 percent of all the scheduled appointments of the courses, and have attained a satisfactory standing in all of the required courses.

4. He must have passed all courses of the first two years before beginning his Senior year.

5. He must have discharged all his financial obligations to the University.

6. Diplomas will only be granted at the regular commencements of this college, when they will be conferred upon the candidates in person by the President of the University.

Degrees will not be conferred *in absentia*, except by special permission from the President.

7. RULES REGARDING ADVANCED STANDING

Credit for Courses in Colleges of Liberal Arts.—Students who have taken, in colleges of liberal arts recognized by this University, courses fully equivalent to the similar courses offered in this College of Medicine and produce certificates of this fact, need not repeat such courses here. But credits allowed for such work do not entitle the student to advanced time standing, for, according to the various state and other laws, such subject credits for work not taken at a medical college cannot shorten the required residence to less than 45 calendar months between time of matriculation and issuance of a diploma in medicine.

3. The total of all courses taken in this college must not be less than that required of the fourth-year class.

Credit for Work in Colleges of Medicine.—Students from accredited colleges of medicine may be admitted to advanced standing under the following rules:

1. They must present evidence that they have met in some other college the equivalent of the requirements for admission to this college and they must have completed satisfactorily all courses of the same scope and extent as the courses for which they seek credit in this college.

2. They must present credentials from the registrar or corresponding officer of the college of medicine from which they come, showing that they have been registered medical students in residence for the time for which time credit is sought.

3. In order to obtain credit for a whole or any part of a course, the student must file with the Dean, before the opening of the college year, a credit application blank, in duplicate, showing where the work was done, the names of the professors, dates of the beginning and the end of the course, the number of hours per week and weeks in the course, the total number of lectures or recitations, of laboratory or clinical work, and the grades received. This application should be accompanied by certificates supporting the above facts, from the registrar of the college or the professor under whom the work was done, by the catalogue or schedule of the institution, and by the notebooks of the student in laboratory courses. In the absence of satisfactory certificates, an examination may be required covering the whole or any necessary part of the subject. This application, with its supporting evidence, is submitted to the professors of the affected departments of this college, who decide what credits are recommended. Such recommendation must then be approved by the Committee on Advanced Standing and returned to the Dean, in duplicate. One copy is filed and the other returned to the student.

All credits for regular courses in Class A medical institutions for summer and regular courses, as well, which are equivalent to the minimum requirements of the Council on Medical Education of the American Medical Association, are accepted for advanced standing in this college.

4. Any course or part of a course required by this college which has not been sufficiently covered by the previous work of the student, must be taken in a manner satisfactory to the professor in charge of the department affected.

Doctors of Medicine from Other Colleges.—A graduate from another college of medicine may obtain a diploma from this college under the following conditions only:

1. He must comply, as outlined above, with the conditions for admission to this college, submit the required time and subject credits from the college from which he was graduated, and his diploma.

2. He must remain in residence at this college one college year, taking all such courses as are not covered by his subject credits and repeating such courses of the fourth year as the faculty may require. After these demands are satisfied he may elect such additional courses as he chooses.

3. The total of all courses taken in this college must not be less than that required of the fourth-year class.

4. He must pass examinations in all the courses in which he was found deficient and he must pass all the regular examinations of the fourth year; in addition he must conform to all other requirements for graduation exacted of the regular students of this college.

8. SEVEN-YEAR COMBINED LIBERAL ARTS AND MEDICAL PROGRAM

(Leading to the degrees A.B., M.D.)*

The entrance requirements to this course are those of the College of Liberal Arts. The A.B. degree is granted upon the joint recommendation of the faculties of the Colleges of Arts and Medicine at the end of the first medical year, the M.D. at the end of the fourth medical year. In this course the student must satisfy all the requirements for the A.B. degree, i.e., 124 credits plus 2 years of gymnasium, and must also include all subjects required for the pre-medical course.

The 124 credits must be distributed as follows:

94 credits in the College of Liberal Arts:

English	10	
Foreign Language (*French or German*)	12	
Natural Science (*Chemistry, Physics, Zoology*)	10	
History, Economics, Political Science, Social Science	12	
Mathematics, Philosophy, Psychology	12	
Electives (required sciences)	8	
Two years of *Gymnasium*		
Major subject, *Chemistry or Zoology* (advanced courses)	18	
Major Distributed Credits (*Chemistry, Physics, Zoology*)	12	
TOTAL	—	94
30 credits in the first year of the medical course		30

9. SIX-YEAR COMBINED LIBERAL ARTS AND MEDICAL PROGRAM

(Leading to the degrees B.S., M.D.)†

Students who have completed the first two pre-medical years in the University of Cincinnati, *or in another college of recognized standing*, and received therein grades satisfying the requirements of the University of Cincinnati, may on the recommendation of the Medical Faculty receive the B.S. degree from the University of Cincinnati on the satisfactory completion of the curriculum of the first two medical years at the College of Medicine of the University of Cincinnati. This provision makes it possible for a student to receive both the Bachelor of Science degree and the Doctorate of Medicine in six years from the time of entering college.

*Students electing the above course will not be granted the B.S. degree after completing the second year of the medical course. Those courses in the College of Liberal Arts counting for a Bachelor's degree in either the six or seven-year combined liberal arts and medical program may not count for more than one Bachelor's degree.

†Students who receive the B.S. degree on the completion of this course may not be granted the A.B. degree by taking additional courses in the College of Liberal Arts or in the College of Medicine.

The B.S. degree is granted at the end of the second medical year upon the joint recommendation of the faculties of the Colleges of Liberal Arts and Medicine, and the M.D. degree at the end of the fourth medical year, upon the recommendation of the faculty of the College of Medicine. Every candidate for the B.S. degree from the University of Cincinnati must obtain not less than 30 credits in this University.

These credits may, if the student so desires, be gained during his first and second years in the College of Medicine by work in the departments of anatomy, biochemistry, physiology, pharmacology, bacteriology, and pathology, recognized by the College of Liberal Arts.

First Year

The courses prescribed in the pre-medical years of the College of Liberal Arts of the University of Cincinnati or for which an equivalent in credit must be brought from some other college of recognized standing are as follows:

Chemistry—10 hours: *First semester*, Courses 1 and 2; *second semester*, Courses 3 and 4

Zoology—10 hours: Courses 1 and 2

English—6 hours: Course 1

German—6 hours: Course 1; or *French*—6 hours: Course 1

Physical Education—2 hours

A reading knowledge of either French or German is required, whether the language be studied in high school or college. A student without high school French or German, must elect German 1 or French 1 in his first year, and German 20 or French 2 in his second year. If he has had two years of high school German, he must elect German 20 (scientific German) in his first year, and he may take either French 1 or an elective in his second year. If he has had two years of high school French, but no German, he must take French 2 in his first year, and German 1 or an elective in his second year. A student already having a reading knowledge of French or German (four years of either) is not required to take a foreign language in his pre-medical course, although he is strongly urged to do so. In case such a student takes no foreign languages, he must substitute, with the approval of his Adviser, an elective subject.

Second Year

Chemistry—9 hours: *First semester*, Course 7, analytical chemistry, 4 hours. *Second semester*, Courses 8 and 9, organic chemistry, 5 hours

Physics—10 hours: *First semester*, Courses 26 and 2; *second semester*, Courses 27 and 22

Vertebrate Embryology—4 hours, *second semester*; Zoology, Courses 19b and 20b

Scientific German—4 hours (German 20). (See paragraph on French and German under "First Year.")

Physical Education—2 hours

Elective—5 hours, *first semester*

The third, fourth, fifth, and sixth years of this combined course are the regular years of the College of Medicine.

10. OHIO STATE MEDICAL BOARD EXAMINATION

Examinations for license to practice medicine and surgery in the state of Ohio are given twice each year by the State Medical Board. The dates are announced six months in advance, occurring usually in June and December, about the 10th of the month. Conditions for entrance to these examinations may be summed up as follows:

1. The candidate must have a preliminary training equivalent to graduation from a first-class high school having a four-year course.

2. The period of residence in a medical college must have been four calendar years (45 months).

3. He must present a diploma from a medical college recognized by the Ohio Board.

4. He must pay an examination fee of $25 to the board, which will be returned to him in case he is not admitted to examination, but will not be returned if he is admitted or fails.

Licensure by the Ohio State Board carries with it the privilege of registering for practice in certain other states, *provided, in certain states, that a definite pre-medical course has been followed and the rules and regulations of the board are met.* Details in regard to the conditions in any particular state may be learned by addressing the Secretary of the Ohio State Medical Board, State House, Columbus, Ohio.

Prospective medical students cannot study this question too closely. A diploma and work properly done in this college will, after proper state examination, admit the graduate to medical practice in all states and territories of the Union. This is not true of the diplomas from many other medical colleges which, while apparently offering identical courses, fail to satisfy the laws of various states either in the way of pre-medical requirements, hours, equipment, etc., available for teaching medicine, or in the matter of intern requirements. A diploma from such schools is not acceptable for a license to practice in the state involved. A student knowing or anticipating practice anywhere in the United States, Canada, or in some other foreign country, does well to inquire of the Board of Medical Examiners of the state in which he intends to locate whether the diploma for which he is working is going to be acceptable to that board.

11. UNDERGRADUATE DEGREES IN THE COLLEGE OF MEDICINE

Bachelor of Arts or Bachelor of Science.—Full credit is given towards the A.B. or B.S. degree by the Liberal Arts Faculty of the University of Cincinnati for courses taken in the fundamental medical sciences of anatomy, physiology, biochemistry, pathology, pharmacology, and bacteriology at the medical college to students registered in the University of Cincinnati, but not registered as medical students. The time devoted to such courses cannot, however, be counted for medical credit, and the student taking such courses when not registered as a medical student cannot under the law receive time credit for them, although he may receive subject credit for the courses, should he afterwards register as a medical student.

12. GRADUATE DEGREES

Fifth or Clinical Year.—A fifth or clinical year is offered to graduates in medicine of this college who accept internships in hospitals approved by the faculty, work under a plan outlined by the faculty, and present at the end of the year an acceptable thesis embodying special study of some one disease. There are no fees required for this year. A degree of M.D. *cum laude* is bestowed on successful candidates at the regular commencement of the college. The candidate must, however, register with the Dean and be enrolled as a candidate for the *cum laude* degree at the beginning of his fifth year.

Master of Arts.—The degree of Master of Arts may be awarded to holders of the A.B. or B.S. degree, for one year of resident graduate work in which some subject of the fundamental sciences of medicine is studied. This work must be carried on in the laboratories of the University, including the College of Medicine and the Hospital, and under the general direction of one of the professors of the University. The candidate must register as a student of the Graduate School of the University of Cincinnati. A thesis must be presented embodying original work.

Doctor of Philosophy.—Students who have completed their undergraduate courses and received the degree of A.B. or B.S. from any accredited university or college may become candidates for the degree of Doctor of Philosophy. The general requirements for this degree are at least three full years of graduate work, under the direction of the graduate faculty of the University, the successful completion of some piece of research work, and such other minor work as may be required by the head of the department under whom the minor subject is taken. The student shall select in advance the department in which his major work is to be done. At least one year of the graduate work must have been in residence. The minor work shall consist of approximately one year of graduate work, and may be distributed between two departments, or confined to one, but these departments must be others than the department in which the

major work is taken. A doctorate of philosophy may at present be taken in physiology, bacteriology, biochemistry, pharmacology, or anatomy. Courses required to be taken by the candidate shall be determined by the head of the department chosen for the major subject.

Royal Colleges of Physicians and Surgeons of England.—The College of Medicine has been officially notified by the Conjoint Examining Board of the Royal Colleges of Physicians and Surgeons of England that "it has been added to the list of schools recognized by this Board, whose graduates may be admitted to the final examination, on producing the required certificates of professional training and of having passed a recognized preliminary examination in general education."

13. HONORS

Alpha Omega Alpha.—A chapter of Alpha Omega Alpha, the honorary medical fraternity corresponding to Phi Beta Kappa, is established in the College of Medicine.

Scholarships and Fellowships.—There are available a limited number of undergraduate scholarships and of graduate fellowships in the various departments of the College of Medicine. Details regarding the conditions of award of these scholarships and fellowships may be obtained from the Dean.

The Peter T. Kilgour Prize.—The interest from a fund set aside in memory of Doctor Peter T. Kilgour is given as a prize each year by the faculty to that member of the graduating class who in work and character best expresses the ideals of medicine.

The Jesse S. Wyler Scholarship.—A prize established in memory of Jesse S. Wyler is awarded annually to a worthy student.

The George Mendenhall Scholarship.—In 1921 Mrs. Emma Mendenhall Anderson gave $2,000, the income to be used for a scholarship in obstetrics, in memory of her father, George Mendenhall, M.D., for many years dean in the Miami Medical College.

II. SUMMER COURSES

*1. PRE-MEDICAL COURSES

JUNE 7-AUGUST 14, 1920

2. MEDICAL COURSES

JUNE 14-AUGUST 14, 1920

BIOCHEMISTRY

A lecture and laboratory course dealing with the chemistry of the foods, of the human body, the reactions occurring therein, and the secretions. The equivalent of the biochemistry of the regular medical course. Lec., M., Tu., W., Th., F., S., 8:00-9:00; lab., M., Tu., W., Th., F., S., 9:00-12:00. Six credit hours. Tuition fee, $30; breakage deposit, $10.
Prerequisite: General and organic chemistry Dr. Mills

PHYSIOLOGY

2. A lecture and laboratory course covering the physiology of the nervous system. Lec., M., Tu., W., Th., F., S., 8:00-9:00; lab., M., Tu., W., Th., F., S., 9:00-11:30. Tuition fee, $25. Dr. Baehr

BACTERIOLOGY

1. A lecture and laboratory course dealing with bacteriology and parasitology. This course is accepted as the equivalent for the regular course in general bacteriology. Lec., M., Tu., W., Th., F., S., 8:00:9:00; lab., M., Tu., W., Th., F., S., 9:00-12:00. Five credit hours. Tuition fee, $25; lab. fee, $10. Dr. Bell

*See page 121.

III. COURSES OF INSTRUCTION BY DEPARTMENTS

1920-1921

1. GENERAL SCHEDULES OF STUDY

General Plan of Instruction and Minimum Hours Required.—In the four sessions of the medical course, each consisting of 192 working days (two semesters), a minimum of 3,956 hours of work are required by this faculty. Effort is made to hold the required duties of the student at this minimum in order that he may spend his free time in the prosecution of elected studies or in special or research endeavor in some one of the departments of the college, with the advice and under the supervision of the Dean.

	Minimum American Medical Association Standard	Minimum University of Cincinnati College of Medicine
Anatomy	684	730
Physiology	288	288
Biochemistry	180	180
Pathology, including Necropsies	288	330
Bacteriology, including Serology and Immunology	126	160
Preventive Medicine and Public Health	54	54
Pharmacology, Materia Medica and Pharmacy	216	240
General Medicine, including Laboratory Diagnosis	540	560
Pediatrics	144	188
Psychiatry and Nervous Diseases	126	129
Dermatology and Syphilology	72	77
Medical Jurisprudence	18	18
Surgery	396	456
Orthopedic Surgery	72	82
Urology	36	75
Ophthalmology	54	72
Otology, Rhinology, and Laryngology	54	87
Roentgenology	36	40
*Obstetrics, including Obstetric Surgery	144	152
Gynecology	72	97
Totals	3,600	4,015

*Exclusive of time spent in attendance on cases

2. INDIVIDUAL SCHEDULES OF INSTRUCTION

1. ANATOMY

(The Francis Brunning Professorship of Anatomy)

PROFESSORS KNOWER, MALONE; ASSISTANT PROFESSOR DONALDSON

The courses in this department are given as closely related aspects of one subject. The microscopic and gross subdivisions are regarded as of equal value. Insistence upon their mutual interdependence aids the student in securing a correlated conception of the whole.

The facilities of the laboratories are exceptional for aiding undergraduate medical students in making a thoroughly practical examination of the body from every standpoint. The lectures treat of the more important fundamental relations and conceptions upon which practitioners should base their practical work. The students are led to develop initiative to the utmost; and yet their methods of work and analysis are daily criticized and trained by the staff in laboratory conferences, so that they will not only learn the facts before them but by the use of the same methods later will be better able to add to their anatomical equipment during their future careers. Modern lines of research are indicated and attention is called to their value.

The schedule provides time for students who have been prevented from completing anatomy in the freshman year to devote further study to the subject and take the final examination at the end of the first semester of the sophomore year. Lectures are given on days which best meet the needs of the practical work. Dr. Knower meets the students weekly throughout the year in the laboratory for individual conferences and participates in the organization and correlation of courses with laboratory activities and seminar.

1. EMBRYOLOGY.—Elementary vertebrate embryology is given in the Department of Zoology. (See page 147.)

This course is required of medical Freshmen if not taken as pre-medical work. Pre-medical students of this University in the College of Liberal Arts must take embryology. Pre-medical students in other universities are strongly urged to take an equivalent laboratory course in vertebrate embryology *before entering the College of Medicine, in order to secure the best conditions for their anatomical work.*

2. HISTOLOGY AND ORGANOLOGY.—Microscopic analysis of the gross structure of the human body, emphasizing functional and embryological relations. Freshman year, *first semester*, 48 periods, 144 hours, 4½ credit hours, M., W., Th. afternoons; *second semester*, first part 12 periods, 36 hours, 1½ credit hours, W., F. Required of Freshmen. Dr. Malone

3. Neurological Anatomy.—Laboratory exercises, lectures, and lantern demonstrations. Freshman year, *second semester*, second part, W., F. afternoons, 20 periods, 60 hours, 2 credit hours. Required of Freshmen. Dr. Malone

4. Gross Human Anatomy.—Practical study of the human body in the dissecting rooms, accompanied by lectures and conferences. Osteology is included with the other aspects of the subject. Freshman year, *first semester*, 2 lectures or demonstrations and 10 hours laboratory weekly, 6 credit hours. *Second semester*, 2 lectures or demonstrations and 13 hours laboratory weekly, 7 credit hours. Required for Freshmen. Laboratory: Dr. Donaldson

Laboratory conferences and lectures are conducted by Professor Knower as specified in the introduction above.

5. Advanced Anatomy.—Elective work and research can be arranged for with the head of the department.

Any of the above courses are open to other than medical undergraduate or graduate students of the University who can show the necessary preliminary preparation and who desire credits in these subjects towards degrees other than the medical degree.

2. BIOCHEMISTRY

Professor Mathews; Associate Professor Tashiro; Instructor Mills

The Department of Biochemistry occupies large, well lighted and ventilated laboratories capable of accommodating comfortably one hundred men in undergraduate work. Each desk has gas, hot and cold water, electricity and a blast, and a good equipment of glassware. There are separate digestion, titration, and refrigerating rooms adjoining the main laboratory and there are private rooms for advanced work and for laboratories for members of the staff. The equipment throughout is new and up-to-date, and the conditions for work are unexcelled in the country. Immediate contact with the hospital permits the easy obtaining of pathological fluids for chemical examination.

It is the aim of the department not only to give a thorough grounding in physiological chemistry but to stimulate the spirit of investigation in its students and to cooperate with the hospital and other departments of the medical school in every way in improving the methods for diagnosing and curing disease and in elucidating its nature.

The courses offered in the department are for both medical and graduate students. Courses 1 and 2 are required of all medical students and may be taken either by graduate or college students for graduate or college credit. Inorganic and organic chemistry are prerequisites. The other courses may be elected by medical or graduate students.

1. Chemistry of the Cell, Digestion, and Urine.—A lecture and recitation course. Freshman year, *first semester*, 45 hours, 3 credit hours, M., W., 8:30-9:30; F., 11:30-12:30. (Repeated in summer by Dr. Tashiro or Dr. Mills.) Dr. Mathews
2. Chemistry of the Cell, Digestion, and Urine.—A laboratory course accompanying Course 1. Freshman year, *first semester*, 135 hours, 3 credit hours, M., W., 9:30-12:30; F., 1:00-4:00. (Repeated in summer by Dr. Tashiro or Dr. Mills.) Drs. Mathews, Tashiro Courses 1 and 2 are required for graduation in medicine.
3. Chemistry for Nurses.—See page 277. *First and second semesters.* Dr. Mills
4. The Internal Secretions.—A continuation course for medical and graduate students. Lectures and discussions of recent and important problems. *Second semester*, 15 hours, 1 credit hour, Tu., 11:30-12:30. Dr. Mathews
5. Quantitative Methods of Blood and Urine Analyses.—A laboratory course for graduate and medical students who have had Courses 1 and 2 or their equivalent. *Second semester*, 6 or 12 hours a week, 3 or 6 credit hours. Drs. Mathews, Tashiro, Mills
6. Physico-Chemical Methods of Biochemistry.—With particular reference to certain clinical methods. Methods of hydrogen ion determinations in the blood, spinal fluid, and liquids of the body; osmotic pressures; conductivities; cataphoresis; etc. Conferences and laboratory, 6 to 12 hours a week, 3 to 6 credit hours. Dr. Tashiro
7. Research Work in Biochemistry.—Three to 16 credit hours. Drs. Mathews, Tashiro, Mills
8. Seminar.—The literature dealing with an important problem of biochemistry is assigned to participants in the seminar for report by them. Open to graduate and medical students. *Each semester*, 15 hours, 1 credit hour. Department staff

3. PHYSIOLOGY

(The Joseph Eichberg Chair of Physiology)

Professor Fischer; Associate Professor Baehr; Assistants *Eckstein, Kehoe

The work in physiology is done in the well equipped two and one half floors of the south wing of what is known as the medical college building. A lower half floor is given over to mammalian work; a middle floor is devoted to undergraduate laboratories and classrooms; the top floor to the needs of advanced workers and research. There is in addition a large two-story animal house with special operating rooms on the first floor and a second floor occupied by the technical assistant of the department.

*Absent on leave, 1921

Only such courses in physiology are given under the direction of this department as are required for graduation in medicine, and such as are necessary to meet the desires of graduate or special students in science and practitioners of medicine. Courses in physiology for general science students are offered by the Department of Zoology. (See page 146.)

1. MEDICAL PHYSIOLOGY.—The general physiology of the cell, the blood, circulation, respiration, muscle-nerve, and alimentation. A lecture and conference course. Freshman year, *second semester*, 75 hours, 4½ credit hours. Dr. Fischer
2. MEDICAL PHYSIOLOGY.—A laboratory course paralleling Course 1 and illustrating the classical experiments upon which our present knowledge of the subject rests. Freshman year, *second semester*, 100 hours, 2 credit hours.
Drs. Fischer, Baehr, Eckstein, Kehoe
3. MEDICAL PHYSIOLOGY.—The physiology of metabolism, animal heat, absorption, secretion, and the ductless glands. A lecture and conference course. Sophomore year, *first semester*, 75 hours, 4½ credit hours. Dr. Fischer
4. MEDICAL PHYSIOLOGY.—The physiology of the spinal cord, the brain, and the special senses. A lecture and conference course. Sophomore year, *first semester*, 45 hours. 3 credit hours. Dr. Baehr
5. MEDICAL PHYSIOLOGY.—A laboratory course in physiology, paralleling Courses 3 and 4. Sophomore year, *first semester*, 80 hours, 4 credit hours. Drs. Fischer, Baehr, Eckstein, Kehoe
6. RESEARCH.—Open to any qualified person after consultation with the head of the department.

4. PATHOLOGY

(The Mary M. Emery Chair of Pathology)

PROFESSOR AUSTIN; INSTRUCTORS COFIELD, KIELY; ASSISTANTS KEHOE, KNIGHT, NOONAN

Half the floor space of the pathologic institute is devoted to the undergraduate and graduate work in pathology. In the basement of the institute are found cold storage rooms for the dead, coroner's rooms, incubators, and preparation rooms. On the first floor are special laboratories for serology and clinical diagnosis by laboratory methods. The second floor is occupied by an autopsy amphitheater, administrative offices, and a students' laboratory for pathology. The top floor houses a museum and photographic rooms. Since the professor of pathology is the pathologist to the hospital, all its resources are available for teaching purposes.

The satisfactory completion of regular courses in histology, embryology, physiology, and bacteriology is prerequisite for admission to any of the courses offered.

1. Postmortem Technique.—For Sophomore, Junior, and Senior students. Drs. Austin, Kehoe

2. Gross Morbid Anatomy.—Sophomore year, *first semester*, 32 hours, Tu., 2:00-4:00. Drs. Austin, Kehoe

3. General and Special Pathology.—Sophomore year, 168 hours, Tu., Th., F., 8:30-12:00. Dr. Austin

4. Special Topics in Pathology.—Sophomore year. Drs. Cofield, Kiely

5. Clinical and Pathological Conferences.—See Department of Medicine, page 254. Senior year, S., 11:00-12:00. Dr. Austin

6. Advanced work and research for qualified persons who desire to do special work under the direction of the head of the department.

5. BACTERIOLOGY AND HYGIENE

Professor Wherry; Associate Professor McCord; Instructors Berghausen, Rogers, Andress

The work is done on two floors of the pathologic institute. One of these is devoted to a students' laboratory and special research rooms, and a second (top floor) to special operating rooms and quarters for animals. As the central bacteriological laboratory of the hospital, the department has access for teaching purposes to everything dealing with the problem of communicable diseases which comes up in the hospital. As far as possible the medical aspects of bacteriology and animal parasitology are taught by making the student study material obtained from the wards and postmortem rooms of the hospital.

1 and 2. General Bacteriology and the Animal Parasites of Man.—The production of disease and the relation of bacteriology to personal and public hygiene. The more important protozoa, helminths, and insects concerned in the cause and transmission of disease are studied. Required of all medical students. *First semester*, 174 hours, 5 credit hours. Dr. Wherry

3. Advanced Bacteriology.—Open to qualified students who wish to work on special aspects of bacteriology. Hours to be arranged with the head of the department.

4. Research Work.—Open to specially qualified students. Hours to be arranged with the head of the department.

5. Lectures on Hygiene.—The personal and the municipal hygiene of transmissible diseases. *Second semester*, 16 hours, 1 credit hour. Dr. McCord

6. Practical Hygiene.—A laboratory course accompanying Course 5. *Second semester*, 112 hours, 2 credit hours. Dr. McCord, Mr. Andress

7. Serum Diagnosis and Therapeutics.—A lecture and conference course with practical demonstrations in immunology and immunodiagnostics, including vaccines, sera, etc. *Second semester*, 8 hours, ½ credit hour. Elective.

6. PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Professor Jackson; Assistant Professors Southworth, Mason; Instructors Tuechter, Silber

The Department of Pharmacology occupies the second and third floors of the central portion of the medical college building. In addition to this space the department also has a suite of four large animal rooms (including a special room for aseptic operations) and a small storage room on the fourth floor. On the roof is a large runway for animals and a small isolation room. Altogether the department possesses some twenty-seven rooms, including a variety of private laboratories, offices, store rooms, etc. On the second floor is a shop splendidly equipped with machine tools for both wood and metal work. In addition there are power grinding machines and an excellent assortment of hand tools. A new dark room has just been built. The class laboratories and lecture rooms are well equipped with new and thoroughly modern apparatus, and new equipment, drugs, etc., are being constantly added to the department.

1. Pharmacology.—Lectures, stereopticon illustrations, recitations, and demonstrations covering the general field of pharmacology and materia medica. (See also Course 6.) Sophomore year, *second semester*, 48 hours, 3 credit hours. Drs. Jackson, Mason

2. Pharmacology, Laboratory Course.—This course is given synchronously and is carefully correlated with Course 1. Sophomore year, *second semester*, 96 hours, 3 credit hours.
Drs. Jackson, Mason

5. Therapeutics.—A lecture course dealing with the general principles involved in the treatment of disease. Junior year, *first and second semesters*, 32 hours, 2 credit hours. Dr. Tuechter

6. Historical Lectures.—A series of lectures given in direct connection with Course 1. Sophomore year, *second semester*, 8 hours.
Dr. Jackson

7. Research.—The facilities and equipment of the department are open to those properly qualified to carry on original investigations after consultation with the head of the department.

9. Non-Drug Therapy.—A lecture course covering the general principles of treatment by baths, climatic changes, etc. Junior year, *first and second semesters*, 32 hours, 2 credit hours.
Dr. Southworth

7. MEDICINE

PROFESSORS MORRIS, BROWN, FRIEDLANDER; ASSOCIATE PROFESSORS BETTMANN, HEYN, DUNHAM, ERICKSON; ASSISTANT PROFESSORS RAMSEY, BERGHAUSEN; INSTRUCTORS FORD, OSMOND, KENNEDY, STIX, BENJAMIN, WEISS, SALTZMAN, GATH, NORTON, GERINGER, ISAACS; ASSISTANTS S. OLIVER, NOONAN, SKAVLEM, BISHOP

The work in medicine is carried on in the lecture rooms of the college building, in the dispensary and in the wards, laboratories, and amphitheatres of the hospital. The first floor of the Pathologic Institute is used for clinical pathology.

1. PHYSICAL DIAGNOSIS.—Lectures, demonstrations, and practical exercises in inspection, palpation, percussion, and ausculation of the normal subject. Sophomore year, *second semester*, 32 hours, 2 credit hours. Drs. Weiss, Geringer

2. PHYSICAL DIAGNOSIS.—The methods learned in Course 1 are applied to the study of disease. Junior year, *first semester*, 32 hours, 2 credit hours. Drs. Weiss, Geringer

3. PHYSICAL DIAGNOSIS.—The Junior class spends one day a week for one semester at the Cincinnati Tuberculosis Hospital, the time being devoted to physical diagnosis, x-ray findings, discussion of treatment and social aspects of tuberculosis. Junior year, *second semester*, 96 hours.
Drs. Friedlander, Dunham, Erickson, Gath

4. RECITATIONS IN GENERAL MEDICINE. — A recitation course upon assigned subjects. Junior year, *first and second semesters*, 32 hours, 2 credit hours. Drs. Stix, Ramsey

5. CLINICAL PATHOLOGY.—A practical study of the methods of chemical and microscopic examination of the blood, urine, gastric contents, feces, sputa, and puncture fluids. Laboratory exercises preceded by lectures in which the occurrence and diagnostic significance of the abnormal are discussed and the methods of examination explained. Junior year, *first and second semesters*, 96 hours, 3 credit hours. Drs. Morris, Weiss, Isaacs

6. LECTURES ON DIETETICS.—Junior year, *first semester*, 16 hours, 1 credit hour. Dr. Bettmann

7. DISPENSARY CLINICS IN MEDICINE.—Every Junior spends two hours daily throughout half a year in the medical clinic, where he has practical experience and instruction in history taking, physical examination, diagnosis, and treatment. 128 hours.
Drs. Kennedy, Benjamin, Saltzman, Tucker, S. Oliver, Geringer

8. HOSPITAL WARD CLASSES.—Each Senior spends four hours daily for ten weeks in the medical wards of the hospital, serving as clinical

clerk. Part of his time is spent in making rounds with the staff officers under whose direction he is working. 170 hours.
Drs. Morris, Brown, Friedlander

9. Clinical-Pathological Conference.—The clinical findings and diagnosis of medical cases on which autopsies have been performed are presented and the organs then demonstrated. Senior year, *first and second semesters*, 32 hours, 2 credit hours.
Drs. Austin, Morris

10. Diseases of the Stomach, Intestine, and Liver.—Lectures on diagnosis and treatment. Senior year, *second semester*, 16 hours, 1 credit hour. Dr. Bettmann

11. Diseases of the Heart.—Lectures on diagnosis and treatment. Senior year, *first semester*, 16 hours, 1 credit hour.
Dr. Friedlander

12. Diseases of the Respiratory Tract and the Ductless Glands.—A recitation and conference course. Senior year, *first semester*, 16 hours, 1 credit hour. Dr. Morris

13. Lectures on Diseases of the Kidneys and Constitutional Disorders.—Senior year, *first semester*, 16 hours, 1 credit hour.
Dr. Brown

14. Infection, Immunity, and Specific Therapy.—Lectures and demonstrations. Senior year, *second semester*, 16 hours, 1 credit hour.
Dr. Berghausen

15. Advanced Work in Clinical Haematology.—An elective course open to those qualified. Limited to four students. Junior and Senior years, *second smester*. Dr. Morris

16. Blood Chemistry.—An elective course in the newer methods of blood chemistry, using material obtained from patients in the medical wards. Limited to four students. Junior and Senior years, *second semester*. Dr. Weiss

17. Diseases of the Lungs and Pleura.—Special methods of investigation and clinical, x-ray, pathological, serological, and bacteriological methods of diagnosis. Elective, limited to four students. Senior year, *second semester*. Dr. Erickson

18. Basal Metabolism.—An elective course consisting of practical exercises demonstrating indirect calorimetry and gaseous exchange in health and disease. Limited to five students. Senior year, *second semester*. Dr. Isaacs

19. Medical Ophthalmoscopy.—An elective course offered jointly by the departments of ophthalmology and of medicine. The study and interpretation of ophthalmoscopic findings in their relation to the general pathology and diagnosis of the patient. Limited to six students. Senior year, *first semester*, 1 hour weekly.
Drs. Reid, Erickson

20. Graphic Representation of Cardiac Disorders.—An elective course including practical demonstrations of disorders of the heart beat as shown by polygraphic and electrocardiographic studies. Limited to six students. Senior year, *first semester*.
Dr. Benjamin

21. Applied Therapeutics.—An elective course offered jointly by the departments of pharmacology and of medicine for the clinical investigation of new drugs. Laboratory study of their pharmacological actions is followed by clinical observations in the medical wards. Limited to two students. Senior year, *first and second semesters*. Drs. Jackson, Morris

22. Modern Diagnostic Methods.—An elective course comprising special methods of investigation of medical cases, including skin sensitization, agglutination and hemolysis tests of blood for transfusion, coagulation time, fractional gastric analysis, duodenal lavage and gall bladder aspiration, renal functional tests. Limited to six students. Senior year, *first semester*. Dr. Isaacs

8. PEDIATRICS

Professors Blackfan, Rachford; Associate Professor Lamb; Assistant Professors Higgins, Wagner, Greenebaum, Bentley, Bell, Dreyfoos; Assistants Fogel, Okrent, Crawford, I. W. Caldwell, M. N. Wherry, Renneker, Siebler

Division of Contagious Diseases: Drs. Faller, Brady, C. DeCourcy, Southworth, Tucker

1. Diseases of Children.—Lectures and recitations. The care, growth, development, and nutrition of infants and children. The peculiarities of disease in childhood. History taking and physical examination; the communicable diseases with demonstration of patients. Junior year, *first and second semesters*, 32 hours, 2 credit hours.

2. Diseases of Children.—Lectures on the diseases of infants and children with the demonstration of patients. Senior year, *first and second semesters*, 32 hours, 2 credit hours.

3. Diseases of Children.—Demonstrations in the preparation of milk formulae and the technique of diagnosis and therapeutic procedures. Ward rounds and the discussion of patients assigned for examination. Senior year. The class is divided into three sections. Each section is in attendance 1½ hours four days a week for 10 weeks, 60 hours, 1 credit hour.

4. Diseases of Children.—Ward rounds and clinics in the contagious division. Senior year. The class is divided into three sections. Each section is in attendance one hour a week for 10 weeks, 10 hours, ½ credit hour.

5. Dispensary.—The students in the dispensary are assigned patients and receive individual instruction in history taking, physical examination, diagnosis, and treatment. With the cooperation of the Babies Milk Fund Association patients are followed in their homes and in the child welfare stations. Senior year, 1½ hours daily for 6 weeks, 54 hours, 1 credit hour.

6. Advanced Pediatrics.—An elective course with assigned work in the hospital wards and laboratories will be arranged for a small number of qualified students. Senior year.

9. PSYCHIATRY AND NERVOUS DISEASES

Professors Hoppe, Wolfstein, Breese; Associate Professor Ingram; Assistant Professor Baehr; Instructors Kiely, Shinkle, North, Williams, Ratliff; Assistants Goldsmith, McIntyre

1. Psychiatry.—Lectures on mental diseases. Dr. Wolfstein

2. Psychiatric Clinics.—Bedside and conference study of mental diseases in the wards of the hospital and the Longview State Hospital for the Insane.
Drs. Hoppe, Wolfstein, Baehr, Ingram, North

3. Nervous Diseases.—Lectures and demonstrations of functional and organic diseases of the brain, spinal cord, and peripheral nerves.
Dr. Hoppe

4. Neurologic and Psychiatric Clinics. — Every Senior devotes a specified number of two-hour periods to bedside and conference study of neurologic cases in the hospital.
Drs. Hoppe, Wolfstein, Ingram, Kiely, Shinkle

5. Dispensary Clinics in Neurology.—
Drs. Hoppe, Williams, Ratliff, McIntyre

6. Dispensary Clinics in Psychiatry. Drs. Wolfstein, North

10. DERMATOLOGY AND SYPHILOLOGY

Acting Professor Tauber; Instructors J. W. Miller, Broeman, Shields, DuCasse; Assistant Claassen

The work required in dermatology and syphilology for graduation in medicine is given in the wards and dispensary of the hospital. Senior students have direct access to patients. Since the available number of cases is very great, opportunities for instruction are broad and possibilities for elective work large.

1. Lectures in Dermatology.—The commoner diseases of the skin, including syphilis, are covered. Senior year, *first and second semesters*, 1 hour a week, 2 credit hours. Dr. Tauber

2. Clinics in Dermatology.—Senior year, 16 hours, ½ credit hour.
Drs. Tauber, Miller, Broeman, Shields, DuCasse

3. Clinics in Venereal Diseases.—The student is supervised in diagnosis and treatment of patients presenting themselves at the night clinic. Elective for Juniors and Seniors. Credit hours determined by amount of work done.

Drs. Tauber, Miller, DuCasse

11. SURGERY

Professors *Ransohoff, Oliver, C. Caldwell, Fee, Carson, Hiller; Associate Professors Hines, Palmer, Rhodes, Langdale, J. Louis Ransohoff, Haines; Instructors Pirrung, J. Caldwell, Souther, Schriver, Zielonka, Carothers; Assistants Abbott, Schneider, Feid, S. Smith, Shank

Surgery during the Junior and Senior years is taught both clinically and didactically, being conducted in the wards of the hospital and the classrooms of the college building. Practical work in surgery during the Junior year is conducted in the dispensary, where two hours daily are devoted by the student to examination and treatment of patients, throughout the semesters and under the care of competent clinicians. During the fourth year the teaching consists of daily bedside attendance from 8:30 to 11:30 each morning. In addition, large operative clinics are held.

Such operations are especially selected and demonstrated as are of interest to the fourth-year students by reason of their having studied the cases thoroughly before operation. During such operations the students are frequently called upon to administer anesthetics, under proper supervision.

1. Surgical and Applied Anatomy.—Lectures illustrated by dissections of and demonstrations upon the cadaver. 32 hours.

Dr. C. Caldwell

2. Principles of Surgery.—Lectures and recitations covering wounds, infections, diseases of bones, fractures, dislocations, diseases of blood vessels, lymphatics, muscles, tendons and nerves, and tumors. Aseptic and antiseptic principles. 32 hours.

Dr. Hiller

3. Surgical Laboratory.—Physiologic surgery, shock, anesthesia, hemorrhage, experimental infections; surgical technique, minor operations. 32 hours. Dr. Hiller

4. Regional Surgery.—Informal lectures covering the head, spine, back, and chest. The causes and effects of disease, methods of diagnosis, and methods of treatment are discussed.

Drs. J. Ransohoff, Langdale, J. L. Ransohoff, C. Caldwell

5. Regional Surgery.—Informal lecture covering the abdomen, rectum, and anus. Drs. Palmer, Fee, C. Caldwell

*Deceased

6. Regional Surgery.—Informal lectures covering the thyroid and mammary glands. Dr. Oliver

7. Fractures and Dislocations. — Lectures and demonstrations. 32 hours. Dr. Pirrung

12. ORTHOPEDIC SURGERY

Professor Freiberg; Associate Professor Cofield; Instructors *Maddox, Klein, Betzner

1. Orthopedic Surgery.—Lectures and conferences on important chapters in orthopedic surgery, with special reference to etiology and surgical pathology. Senior year, *first semester*, 32 hours, 2 credit hours. Dr. Freiberg

2. Orthopedic Dispensary Clinics.—Seniors are assigned for definite periods. Credit hours according to length of assignments. Drs. Cofield, Klein, Betzner

3. Hospital Bedside Classes.—The abundant material of the hospital is used for one clinical exercise a week, which the Senior class attends in divisions for definite periods. Drs. Freiberg, Cofield

4. Advanced Orthopedic Surgery.—Elective for advanced and post-graduate students after application to and consultation with the head of the department. Drs. Freiberg, Cofield

13. OBSTETRICS

Professor Gillespie; Associate Professors Woodward, Tate; Instructors Graf, Ratterman

1. The anatomy and physiology of pregnancy, management of labor, and the pathology of pregnancy. Dr. Woodward

2. Mechanics of labor and operative obstetrics, with complications of pregnancy and the puerperium. Dr. Gillespie

3. Clinical lectures at stated times in the amphitheater of the hospital. Drs. Gillespie, Woodward, Tate

4. Obstetric Clinics.—Obstetric clinics are held in the wards of the hospital and in the homes of patients who make application to the out-patient department. The hospital work is attended by small groups of Seniors, and cases of exceptional interest may be readily utilized because of the proximity of the school to the hospital. The out-patient work is attended by Junior students, one student being present at each case.

The out-patient work is in charge of the physicians of the Maternity Society of Cincinnati, to whom all out-patients are referred, and these, together with those applying to the Maternity Society, make altogether about 300 cases per annum. The teaching is strictly personal and prac-

*Absent on leave

tical, each patient cared for at the time of labor and in convalescence by a visiting nurse of the Maternity Society or of the Catholic Visitation Society.

5. Special Obstetrical Practice.—Open to specially qualified students and practitioners after consultation with head of the department. Department staff

14. GYNECOLOGY

Professors Bonifield, S. Stark, Miller; Assistant Professor Rowe; Instructors J. Hall, Steinharter, Coppock, J. Stark

The hospital and dispensary treat yearly great numbers of gynecologic patients, from which a proper selection of types is made for the purposes of medical teaching. The attempt is made throughout of grounding the student or general practitioner in those principles of practice which are of greatest importance to him in his everyday work.

1. Lectures on Gynecology.—Etiology and diagnosis of malformations, displacements, and deviations of the uterus; disorders of menstruation; inflammatory diseases of the female genitalia. 16 hours, 1 credit hour. Dr. Sigmar Stark

2. Lectures on Gynecology.—Lectures on benign and malignant tumors and the chronic inflammations of the female pelvic organs; tubal pregnancy. 16 hours, 1 credit hour. Dr. Bonifield

3. Dispensary Clinics.—Each Senior spends two hours daily for a specified number of days in the gynecologic clinic of the dispensary, where he receives practical instruction and experience in the examination, diagnosis, and treatment of ambulatory cases. Drs. Miller, Coppock

4. Hospital Ward Classes.—Each Senior spends a specified number of days in the gynecologic wards of the hospital serving as clinical clerk and as spectator at operations. He thus obtains experience in the methods of caring for the bedridden patients. Drs. Bonifield, S. Stark, Rowe, Miller, Steinharter, Coppock

5. Clinical Lectures.—Clinical lectures for practitioners of medicine and advanced students on selected topics are delivered at stated times in the amphitheater of the hospital.

15. GENITO-URINARY SURGERY

Professors Smith, McKim; Instructors Webb, Staley, Koch, Swartz

1. Didactic Lectures.—Special emphasis on diagnosis and treatment. Case histories, gross specimens, and lantern slides are used. Senior year, *first semester*, 2 hours a week, 2 credit hours. Dr. Smith

2. Hospital Clinics.—Bedside and amphitheater study of patients in the hospital. Senior year, *first and second semester*, 2 hours a week, ¼ to 1 credit hour. Drs. Smith, McKim

3. Dispensary.—Practical study and care of out-patients by students under the direction of the staff. Senior year, *first and second semesters*, M., W., F., 4:00-6:00, ¼ to 1 credit hour. Drs. Webb, Staley, Koch, Swartz

4. Elective Genito-Urinary Surgery Including Urethrosopy and Cystoscopy.—Open to advanced students and graduates in medicine presenting satisfactory credentials. Matriculants must consult the head of the department. Departmental staff

16. OPHTHALMOLOGY

Professors Sattler, Ray, W. Ayres; Assistant Professor Cross; Instructors Hofling, Siegel, Heffner, C. King, Keller; Assistants Swing, Reid

The aim of instruction in ophthalmology is to impress the student with the close relationship of ophthalmology to internal medicine and afford the members of the Senior and Junior classes ample and varied opportunities to study the essentials of the pathology of the more important ocular lesions, with laboratory demonstrations of normal and pathologic specimens together with clinical lectures and demonstrations in the ophthalmic wards and dispensary of the Cincinnati General Hospital, supplemented with didactic lectures and recitations at the College of Medicine.

In addition practical instruction in the use of the ophthalmoscope and other instruments of precision for the diagnosis of ocular affections will be given at the daily clinics by the dispensary and hospital staff to those students who show a predilection for or have acquired a better working knowledge in ophthalmology.

1. Dispensary Clinics.—Each Senior is required to spend 15 two-hour periods in attendance at the ophthalmologic clinic of the dispensary, where he receives practical instruction and experience in dealing with the commoner affections of the eyes. One credit hour. Drs. Ray, Ayres, Cross, Swing

2. Hospital Ward Classes.—Each Senior spends a specified number of two-hour periods in ward examinations of ophthalmic cases in the hospital. Drs. Sattler, Ray, Ayres

3. Clinical Lectures.—The commoner diseases of the eye. Dr. Ray

4. Advanced Ophthalmology.—Elective for advanced students and graduates in medicine after consultation with the head of the department. Departmental staff

17. OTOLOGY

Professor W. Murphy; Instructors Jones, McCarthy, Goodyear, E. King, Tangeman

Instruction in this department is carried on in the lecture rooms of the college building, the dispensary, and the wards and operating pavilion of the hospital. Special effort is made to teach every student to recognize the commoner affections of the ear, more particularly the acuter pathologic changes which require prompt treatment or surgical interference.

1 and 2. Lectures on the Ear.—Anatomy and physiology of hearing; etiology, pathology, diagnosis, and treatment of the commoner diseases of the ear. Junior year, *second semester*, 16 hours, 1 credit hour. Dr. Murphy

3. Dispensary and Ward Clinics.—Each student spends a minimum of five two-hour periods a week for five weeks in the otological clinic of the dispensary and one two-hour period a week for ten weeks in the hospital. Senior year, 70 hours, 2 credit hours. Drs. Murphy, Tangeman, Jones, McCarthy, E. King, Goodyear

4. Otological Surgery on the Cadaver (elective).—The relation of the ear to its surrounding organs. Drs. Murphy, Jones

5. Lectures and Clinics in Neuro-Otology (elective). Drs. Murphy, McCarthy

6. Clinics in Otology (elective). Drs. Murphy, Jones, E. King, McCarthy, Goodyear

18. LARYNGOLOGY

Professor Iglauer; Instructors E. King, Goodyear, Lyle, Allgaier, J. Asher Caldwell; Assistant Light

The aim of instruction in laryngology and rhinology is to familiarize the student with the commoner diseases of the nose and throat and to point out the important relationship of these diseases to the problems of internal medicine and pediatrics. The student is taught personally to acquire a working knowledge of the use of the instruments ordinarily employed in this branch of surgery.

1. Laryngology and Rhinology. — Lectures on diseases of the nose, pharynx, and larynx illustrated by wet and dry specimens, models, and charts and supplemented by demonstrations of operative technique. Practical intubation on the cadaver and lectures on bronchoscopy and esophagoscopy. Senior year, *first semester*, 14 hours, 1 credit hour. Dr. Iglauer

2. Dispensary Clinics.—Each Senior spends a specified number of two hour periods in the laryngologic clinic of the dispensary, where he receives practical experience in the diagnosis and treatment of patients. Minor operations are performed in the clinic. Drs. E. King, Light

3. Ward Classes.—Ward classes for Seniors are held in the hospital. The students follow the patients from the wards to the operating rooms. Drs. Iglauer, E. King

4. Clinical Lectures.—In the hospital. Dr. Iglauer

5. Advanced Course in Operative Work on the Cadaver.—Special clinics and special lectures in rhino-laryngology. Open to advanced students and practitioners of medicine throughout the year including summer months, after consultation with the head of the department. Departmental staff

19. RADIOLOGY

Professor Lange; Assistant Professor Doughty; Assistant Bader

Instruction in radiology is didactic in only small part. The diagnostic courses consist of lantern slide demonstrations and plate-reading clinics. Effort is made to demonstrate the fundamental phases of the work by laboratory and clinical methods. To this end the extensive and well equipped x-ray laboratory of the hospital is utilized, which contains an indexed collection of x-ray plates and lantern slides for teaching purposes. A large and well ventilated fluoroscopic room provides facilities for fluoroscopic demonstrations to the class in sections. Abundant clinical material is drawn from the wards of the hospital and from the dispensary.

1. Radiology.—Physics of the x-ray; principles of radiographic and therapeutic technique; x-ray diagnosis of head and thorax. *Second semester*, 12 hours, ¾ credit hour. Dr. Lange

2. Radiology.—X-ray diagnosis of bones, joints, and abdomen; practical fluoroscopic work in gastro-intestinal lesions and in the localization of foreign bodies. *Second semester*, 10 hours, ⅝ credit hour. Dr. Doughty

3. Radiology.—Biological effects of the x-ray; indications for technique, and results of x-ray therapy. *Second semester*, 10 hours, ⅝ credit hour. Dr. Lange

4. Elective Roentgenology.—Opportunity is given advanced students and graduates in medicine to act as assistants in radiographic and therapeutic work. Applicants must consult the head of the department. Drs. Lange, Doughty

20. MEDICAL JURISPRUDENCE

Professor Otis H. Fisk

1. Lectures on Medical Jurisprudence.—The branches of law of importance to the medical practitioner; illustrations from court decisions. 12 hours, ¾ credit hour. Professor Fisk

21. MEDICAL ART

INSTRUCTOR HOMAN

1. Students fitted for such work may be allowed instruction in the application of art to medicine after consultation and arrangement with the head of the department. Mr. Homan

SCHOOL OF NURSING AND HEALTH

(For list of officers of instruction and administration see pages 36-40)

GENERAL STATEMENT

FOUNDATION AND PURPOSE

The present School of Nursing and Health, under the title of the Cincinnati Training School for Nurses, was established by a group of Cincinnati women on January 1, 1889. In 1896 this training school was taken over by the city and made an integral part of the hospital, the title being changed to the Cincinnati Hospital Training School for Nurses. In November, 1914, it was reorganized as the School of Nursing and Health of the Cincinnati General Hospital.

In June, 1916, the Board of Trustees of the University of Cincinnati, upon the recommendation of the Mayor of the city, the Director of the Department of Public Safety, the Dean and faculty of the College of Medicine, the President of the University, and the Director of the School of Nursing and Health, made the school a department in the College of Medicine. This step was taken in recognition of the pressing need for more adequate training for nurses, and of the obligation of the city departments concerned to make through cooperation the highest use of the facilities of the hospital and of the University in the interest of the health and education of the community which they serve.

By special arrangement of the two departments of the city government operating the University of Cincinnati and the Cincinnati General Hospital, the hospital provides a laboratory for the practice of nursing and cooperative assistance to the student nurse, while the University in its College of Medicine and other colleges provides the scientific instruction essential to the pursuance of the study and practice of nursing, thus making possible the preparation of women for the nursing profession as private, institutional, and public health nurses.

EQUIPMENT

The College of Medicine—of which the School of Nursing and Health has become a part—is located on twelve acres of land adjoining the Cincinnati General Hospital. Lectures, demonstrations, and laboratory work in chemistry, anatomy, physiology, bacteriology, pathology, pharmacology and therapeutics, medicine, surgery, and their various branches are given in the laboratories of the College of Medicine. Professors of the College of Medicine form the staffs of the Cincinnati General Hospital and the Tuberculosis Sanatorium, with the result that specialists direct the clinical

instruction in medicine as applied to nursing. The Cincinnati General Hospital affords exceptional advantages for the education of nurses. The hospital is new and is one of the most modern, carefully designed, and completely equipped hospitals in the country. It was built at a cost of about $5,000,000. It is built on the pavilion plan and embraces twenty-four large buildings, all connected by overground and underground corridors. The contagious group consists of a separate unit of seven pavilions similarly connected with each other. The hospital occupies a high and healthful location in a quiet and attractive part of the city. The equipment throughout is of a most modern and up-to-date character, a maximum of sunlight and air being provided by the style of building adopted. It has a capacity of 850 beds, and offers opportunities for thorough experience in medical, surgical, gynecological, obstetrical, pediatric, opthalmological, otological, laryngological, neurological, psychopathic, and orthopedic nursing.

Instruction in nursing and its various branches and in public health nursing is given by instructors in the School of Nursing and Health, while instruction in foods and nutrition, social sciences, etc., is available in the Department of Home Economics of the College for Teachers and in the College of Liberal Arts of the University.

The psychopathic and neurological services offer excellent opportunity for preparation in the field of mental hygiene. The well-equipped College of Medicine Dispensary, on the hospital grounds, with its social service and public health nursing departments, serves as a laboratory for the student nurse and offers practical experience in social service and public health work. The College of Medicine and the School of Nursing and Health have cooperative agreements with the Visiting Nurse Association and the Cincinnati Board of Health and its school nursing and anti-tuberculosis nursing staffs, which bring the student into immediate contact with public health problems.

The spacious and beautifully appointed nurses' residence commands an extensive view of the surrounding country. It is equipped with class and demonstration rooms, reception rooms, and roof garden. The library is one of the best equipped nursing libraries in the country. It contains some two thousand carefully selected volumes and a wide range of current periodicals.

ADMISSION

Students are admitted to the School of Nursing and Health (a) as candidates for the degree of Bachelor of Science and the diploma of Graduate Nurse, (b) as candidates for the diploma of Graduate Nurse, or (c) as special students.

CANDIDATES FOR THE DEGREE AND DIPLOMA

In order to be admitted to the School of Nursing and Health as a candidate for the degree of Bachelor of Science and the diploma of Graduate Nurse, the student is expected to satisfy the regular college entrance requirements, to complete a pre-nursing or post-nursing course of two academic years in the College of Liberal Arts consisting of sixty-four college credit hours, and to complete three calendar years—thirty-four months—in the School of Nursing and Health.

Requirements for Admission

A student must offer for admission fifteen units. These units may be secured by entrance examinations or by certificate from an accredited secondary school from which the student has graduated with a grade in each academic subject of at least seventy percent.

The fifteen units must be distributed in the following manner:

English—Three units

Mathematics—One unit in algebra and one unit in plane geometry

History—One unit

Language—Three units, from the five languages: Latin, Greek, French, German, Spanish. Two units must be in the same language.

In addition to these specific requirements the candidate must offer three units which may be in English, mathematics, foreign language, history, physics, chemistry, zoology, physiology, botany, physical geography, or astronomy, under the regulations as to the maximum and minimum of the work to be completed in each subject described in the current announcement of the College of Liberal Arts.

The remaining three units shall constitute a "free margin"; i. e., the University will accept for admission any three units which the secondary schools themselves credit towards graduation and which are given in conformity to the standards adopted by the North Central Association of Colleges and Secondary Schools. No fraction of a unit other than one half shall be recognized.

Admission on Certificate from Accredited Schools

All certificates presented for admission must be signed by the principal of the school from which the student comes and must specify the work actually done, the time devoted to each subject, and the grade received in each course. Blank forms will be furnished upon application to the Director of Admissions, University of Cincinnati, Cincinnati, Ohio, or to the Director of the School of Nursing and Health, the Cincinnati General Hospital. These certificates, properly made out, should be sent to the Director of Admissions, University of Cincinnati, Cincinnati, Ohio, as soon as possible after graduation, and at least five days before the first day of registration. Upon receipt of the certificate, the Director of Admissions

will pass upon the application, and, if it is satisfactory, will send a card of admission, which should be presented to the Registrar at the opening of the session. If the certificate is not satisfactory, the candidate will be informed, so that she may prepare herself for the entrance examination.

A candidate from an accredited school who is not a graduate of such school, will not be admitted upon certificate at all, but must enter by examination.

CANDIDATES FOR A DIPLOMA

In order to become a candidate for the diploma of Graduate Nurse, the student must (1) be over eighteen and under thirty-five years of age, (2) satisfy the school physician as to physical fitness, and (3) fulfill the requirements for admission to the College of Liberal Arts of the University of Cincinnati. A candidate who has taken the three-year diploma course may receive, after the satisfactory completion of the two-year pre-nursing course, or the equivalent, the B.S. degree.

Advanced Standing

Students who present educational qualifications in advance of high school graduation, will be given credit as follows:

1. *Theoretical Work.*—In subjects fully equivalent to those represented in the curriculum of the School of Nursing and Health.

2. *Time.*—For a four-year course in an approved college, credit in nursing and health subjects, one to eight months; for less than four years, reduction in time, according to the required subjects covered.

The amount of credit given for previous work in other schools of nursing will depend upon (a) the standard of the school, and (b) the nature of the medical and nursing services and the amount and character of instruction, but it may not exceed two years.

Probation

After their admission, undergraduate diploma students are on probation until the end of the first term, in order that the Director of the school may determine whether or not they are qualified to pursue the work with profit. The Director may at her own discretion terminate at any time the connection of a pupil with the school.

SPECIAL STUDENTS

Classes and cooperative nursing experience are open to graduate nurses and students from affiliated schools of nursing who wish instruction and experience along special lines. Elementary classes are also available for university and high school students, provided they are at least seventeen years of age and can give satisfactory evidence that they are able to carry on the work.

Special Course in Public Health Nursing

Classes and cooperative field work in public health nursing are open to graduate nurses. The completion of the course requires at least two terms.

All special students who, after entering, become candidates for a degree or diploma, will receive credit for all courses completed satisfactorily, but before becoming candidates for a degree or diploma they must fulfill the college entrance requirements and all the instructional and clinical requirements of the course. Special students are amenable to the same regulations in matters of class work, examinations, and discipline as regular students.

SCHOLARSHIPS

American Red Cross Scholarships.—Since 1918 the Cincinnati Chapter of the American Red Cross has granted annually ten scholarships of $300 each to the students in the seven Cincinnati schools of nursing. Six of these have each year been awarded to the School of Nursing and Health. In 1920-1921 the Cincinnati Chapter of the American Red Cross granted five scholarships of $500 each to students in the special course in public health nursing.

The Therese Scheuer Scholarship.—In 1919 Mrs. Samuel and Mrs. David I. Wolfstein offered a scholarship of $300 in memory of their mother, for the years 1919, 1920, and 1921.

The Louise Pollak Scholarship.—In 1919 Mrs. Julian Pollak offered a scholarship of $300 for the years 1919, 1920, and 1921.

For the fellowships, scholarships, and prizes of the various colleges, consult their several Announcements.

REGISTRATION

Registration in 1920 for the combined liberal arts and nursing course began on Thursday, September 23, and closed on Saturday, September 25; in 1921 it took place on Friday, February 11.

For the diploma course registration took place in 1920 from Monday, May 31, to Monday, June 14, and from Monday, October 4, to Friday, October 15; in 1921 on Saturday, February 5, and from Monday, June 6, to Monday, June 20.

No person is admitted to any University course after the beginning of class work, unless a good and sufficient excuse for not entering at the

opening of the semester be presented to the professor in charge; and in no event is any person permitted to enter after the close of the second week of class work. In accordance with this regulation, no person was admitted to the work of the first semester of 1920-1921 in the College of Liberal Arts after October 9, 1920, nor to that of the second semester after February 26, 1921. This regulation does not apply to students entering the cooperative nursing courses.

NURSE REGISTRATION

OHIO NURSES' EXAMINING COMMITTEE
STATE MEDICAL BOARD

xaminations for license to practice nursing in the state of Ohio are given twice a year by the Nurses' Examining Committee of the State Medical Board. The dates will be announced in advance. Details in regard to the conditions may be learned by addressing the Secretary, Nurses' Examining Committee, State Medical Board, State House, Columbus, Ohio.

GRADUATION

DEGREE AND DIPLOMA

Degrees are not conferred *in absentia*, except by special permission from the President.

The degree of Bachelor of Science and the diploma of Graduate Nurse are conferred by the University upon the following conditions:

(1) The completion of the college entrance requirements and the completion of the pre-nursing or post-nursing course of two years in the College of Liberal Arts.

(2) The completion of the diploma course of study as outlined (see below), consisting of the seventy-two hours described in the plan which includes nursing practice.

DIPLOMA

A diploma of Graduate Nurse is given to those approved candidates who have fulfilled the college entrance requirements and have completed the seventy-two credit hours described in the plan which includes nursing practice.

CERTIFICATE

A certificate is awarded by the School of Nursing and Health to special students who are graduate nurses, upon the completion of a duly approved group of selected subjects that include nursing practice or field work in public health nursing.

REGULAR PROGRAM IN NURSING

In accordance with the reorganization of the professional course of study in the School of Nursing and Health, the year is divided into three terms, and the pupil nurse is freed from ward duty for two terms—one in the first year and one in the second—for full academic work. Throughout the entire course lectures fundamental to nursing and public health are given coordinately with the practice of nursing.

The work includes (1) courses of study in the School of Nursing and Health and in other departments of the University, consisting of fifty credit hours, and (2) courses of practice in the wards, operating rooms, dispensary, and diet kitchen of the hospital, consisting of not less than twenty-two credit hours.

A credit hour is one recitation hour a week carried through a term of fifteen weeks. For one month of nursing practice under supervision is given the corresponding value of one credit hour.

FIRST YEAR

During the probation term of the first year (four months) the student is instructed in the ethics of nursing, elementary nursing, elementary anatomy, foods, and personal and hospital hygiene. The coordinate hospital work begins with bed making and simple bedside care, so that the student may acquire the elementary principles of nursing and hygiene. This introduction to the problem of nursing is intended to motivate the theoretical courses that follow.

During the second term (four months) of the first year, the student is not held responsible for practical work in the wards beyond a maximum of 17 hours a week, but is given the time for the pursuance of the following subjects fundamental to the work of nursing: chemistry, anatomy, physiology, pharmacy, and medical and surgical nursing.

At the end of the eighth month in the school, the student returns to the practice work in the hospital wards and, as her knowledge and ability warrant, acts as assistant in difficult treatments, proceeding gradually to the care of patients who are seriously ill.

SECOND YEAR

During the first term the practice work in the wards of the hospital is continued. During the second term the student is again relieved of practical responsibility for the care of patients beyond a maximum of seventeen hours a week, and is given four months for the study of the following subjects: bacteriology and hygiene, psychology, social science, pharmacology, therapeutics, and nutrition as applied to nursing. During the remainder of the second year opportunity is given the student for definite practical experience in nursing and in preparing special diets for patients. Lectures and demonstrations in massage, orthopedic nursing, and children's nursing are also given in this term.

THIRD YEAR

Further nursing practice with coordinating lectures in the nursing of obstetrics, communicable diseases, nervous and mental diseases, skin and venereal diseases, eye, ear, nose, and throat diseases, and application of preventive medicine in nursing.

During the last year, eight weeks of experience in the College of Medicine Dispensary is required for each student. Nursing 13 is coordinate with this practice. An additional eight weeks in public health nursing, or in the management of a ward, or in private patient nursing, or in selected practice is elective. Classes coordinating with this practice work are Nursing 14 and 15, 16, 17 and 18, Bacteriology and Hygiene 3 and 5, and Nursing and Health Education 1, 2, and 3. From these courses electives are to be made. Throughout the entire course of training, the student nurse is encouraged to make the social application to all the problems of nursing.

All undergraduate practical work receives close supervision. Examinations are held at the close of each term.

FIVE-YEAR COMBINED LIBERAL ARTS AND NURSING PROGRAM

The program which is required in the two pre-nursing or post-nursing years in the College of Liberal Arts of the five-year combined liberal arts and professional course which leads to the degree of Bachelor of Science as well as to the diploma of Graduate Nurse is as follows:

*PRE-NURSING PROGRAM IN ARTS

Leading to the B.S. degree

First Year

Required:

Chemistry 1, 2, 3, 4 10 hours
English 1 6 hours
Zoology 1, 2 10 hours
Hygiene 2 hours
Physical Education 2 periods a week

Total 28 hours

Second Year

Electives from the following group of subjects: psychology, economics, social science, political science, history, modern language, chemistry, philosophy, English, physics, mathematics, zoology, and botany 34 hours

Required:

Hygiene 2 hours
Physical Education 2 periods a week
Total 36 hours

**SPECIAL EIGHT MONTHS' PROGRAM IN PUBLIC HEALTH NURSING

(For graduate nurses who are candidates for a certificate)

†Bacteriology and Hygiene 2, 3, 5 4 credit hours
†Psychology 3 credit hours
Elementary Sociology 1 4 credit hours
†Nutrition 4 3 credit hours
Application of Preventive Medicine and Nursing 11 1 credit hour
Public Health Nursing 13, 14 and 15, 16 6 credit hours
Cooperative Nursing Practice 12T and 12U 4 credit hours
Nursing and Health Education 1 and 4 2 credit hours
†Invalid Occupation 17 1 credit hour
†Journal Club 18 1 credit hour

*For description of courses see College of Liberal Arts section of this Catalogue. The program may also be taken after the professional course in nursing.

**A total of twenty-four credit hours is required.

†Elective

COURSES OF INSTRUCTION

1920-1921

NURSING

1b. Elementary Home Nursing and First Aid.—Simple nursing procedures and first aid including special problems in the care of infants and children. Lectures and demonstrations. *Second semester*, 60 hours. Two credit hours. Miss Kandel
Prerequisite: Elementary course in anatomy and physiology

2. Elementary Principles of Nursing.—Lectures and demonstrations in the economy of hospital equipment and supply, and in the clinical technique of nursing. *First semester and summer term*, 45 hours. M., Th., 10:30-12:00. Two credit hours. Coordinate with Nursing Practice 12D (one credit hour) daily for sixteen weeks. Miss Busche

3. Medical Nursing.—Lectures, demonstrations, and clinics presenting the principles and technique in the nursing care of medical diseases. *First and second semesters*, 45 hours. M., W., 2:00-3:30. Three credit hours. Coordinate with Nursing Practice 12E (two credit hours). Miss Kandel, Miss Weil

4. Surgical Nursing.—Lectures, demonstrations, and clinics dealing with the principles and technique in the nursing care of surgical cases, including bandaging. *First and second semesters*, 30 hours. W., 1:00-2:00; S., 2:00-3:00. Two credit hours. Coordinate with Nursing Practice 12F (two credit hours).
Miss Northrup, Miss Benham

5. Nursing in Orthopedic, Genito-Urinary, and General Surgery, and Gynecology.—Lectures and demonstrations. *First and second semesters*, 30 hours. Two credit hours. Coordinate with Nursing Practice 12F, 12G, and 12M.
Drs. Freiberg, Smith, Stark, Palmer, Caldwell

6. Mechano-Therapy.—Lectures, demonstrations, and laboratory practice, giving the history, physiological effect, and therapeutic application of massage. *First and second semesters*, 25 hours. One credit hour. Coordinate with Nursing Practice 12G (one credit hour). Miss Fessenden

7. Pediatric and Contagious Nursing.—Lectures on the growth, development, and nutrition of the normal child, infant feeding, and diseases peculiar to infants and children, including communicable diseases. Clinics and demonstrations bearing on the nursing care of the sick child. *First and second semesters*, 30 hours. M., W., 4:00-5:00. Two credit hours. Coordinate with Nursing Practice 12H and 12L (four credit hours).
Drs. Blackfan, Bell, Wagner, Miss Weil, Miss Northrup

8. Special Diseases.—A series of lectures on the treatment of eye, ear, nose, throat, skin, and venereal diseases. *First and second semesters*, 15 hours. Th., 4:00-5:00. One credit hour. Coordinate with Nursing Practice 12P and 12W (one credit hour).
Drs. Iglauer, Murphy, Sattler, Tauber, Miss Isaminger

9. Obstetrics.—Lectures on prenatal and postnatal care, including obstetrical emergencies. *First and second semesters*, 15 hours. Tu., 4:00-5:00. One credit hour. Coordinate with Nursing Practice 12O (two credit hours).
Drs. Gillespie, Tate, Miss Isaminger

10. Internal Medicine.—Lectures, demonstrations, and conferences, presenting the different diseases in internal medicine, with special attention to factors of value to nurses. *First and second semesters.* One hour a week. Coordinate with Nursing 12E. Dr. Weiss

11. Preventive Medicine and Nursing.—Considers the prevention of infant mortality, tuberculosis, and the more prevalent communcable diseases, etc. *Second semester*, 15 hours. One credit hour.
Dr. Isaacs

12. Cooperative Nursing Practice.—

		Months	Credit Hours
D.	Introduction to General Nursing Care	4	1
E.	Medical Wards	3	3
F.	Surgical Wards	2	2
G.	Orthopedic Ward and Gymnasium	1	1
H.	Pediatric Wards	2	2
J.	Admitting Pavilion and Social Service	½	½
K.	Operating Pavilion	1½	1½
L.	Contagious Wards	2	2
M.	Gynecological Wards	1	1
N.	Psychopathic and Neurological Wards	2	2
O.	Obstetrical Wards	2	2
P.	Ear, Eye, Nose, and Throat Wards	1	1
*R.	Private Patient Experience	2	2
†S.	Administration of Wards	2	2
**T.	University Medical College Dispensary	2	2
‡U.	Field Work in Public Health Nursing	2	2
V.	Hospital Diet and Milk Laboratory	1	1
††W.	Skin and Social Hygiene	1	1
††EE to PP.	Selected Practice	2	2

*For those electing private duty
†For those electing institutional work
‡For those electing public health nursing
††For those electing further training in Nursing 12E to 12P
**Prerequisite: Nursing 12H and 12L

13. Introduction to Public Health Nursing.—History and development of public health nursing problems met by nurses in general visiting nursing, tuberculosis, infant welfare, school, industrial and rural nursing, and medical social service. *First and second semesters*, 15 hours. One credit hour. Miss Densford

14-15. Principles and Procedures in Public Health Nursing.—Lectures and conferences on modern social problems in their relation to public health nursing. Organization and administration of public health nursing in all its branches, including problems of finance, publicity, records, and statistics. *First and second semesters and summer term*, 60 hours. Four credit hours. Coordinate with Nursing Practice 12T and 12U (four credits) which consist of field work, under supervision in the various branches of public health nursing given in cooperation with the Cincinnati Visiting Nurse Association, the University Medical College Dispensary, the City Board of Health, and the Associated Charities. Miss Logan, Miss Kuck, Miss Cocke, Mrs. Stokes

16. Public Health Nursing.—Methods and administration of special branches of public nursing, prenatal work, infant welfare, playground work, and the juvenile court, mental hygiene school, tuberculosis, rural, and industrial nursing. *Second semester and summer term*, 15 hours. One credit hour.
Miss Logan, Miss Cocke, Miss Kuck, and others
Prerequisite: Nursing 13, 14, 15

17. Invalid Occupation.—Occupational work in institutions and homes, forms of handiwork, etc., most suitable to various illnesses and to differing capabilities, and games and play most appropriate for ill and convalescent children. Lectures and laboratory practice. *First and second semesters*, 35 hours. One credit hour.
Miss Gegner

18. Journal Club.—Open to Seniors and special students who are graduate nurses. Conferences and reports on nursing problems. *Second semester*, weekly. One credit.
Miss Logan and assistants

19. History and Ethics of Nursing. — Historical development of nursing, its rise and growth, its ethical standards and professional ideals. *First semester and summer term*, 15 hours. One credit hour. Miss Logan

20. Psychiatric and Neurological Nursing. — Lectures on mental disorders; their common forms, usual symptoms, and nursing care. Epilepsy; neurasthenia and hysteria; organic diseases of brain, spinal cord, and peripheral nerves. *First and second semesters*, 15 hours. W., 4:00-5:00. One credit hour. Coordinate with Nursing Practice 12N (two credit hours).
Drs. Ingram, Kiely, Miss Isaminger

PSYCHOLOGY

1. ELEMENTARY PSYCHOLOGY.—Analysis of important processes of mind, their biological antecedents and their practical function. *First and second semesters.* Forty-five hours. Three credit hours. Dr. Talbert

NURSING AND HEALTH EDUCATION

1. TEACHING OF HEALTH PRINCIPLES.—Intended for the public health nurse. Outlines and suggests methods of teaching hygiene, etc., for school, community, and home groups. *Second semester,* 15 hours. One credit hour. Miss Pfefferkorn

2. NURSING METHODS.—Curricula for schools of nursing, methods and appliances in teaching nursing procedures, methods of observing, interpreting, and recording symptoms, and the acquisition of efficiency and skill in nursing technique. *Second semester,* 30 hours. Two credit hours. Miss Logan

3. HOSPITAL ORGANIZATION AND ADMINISTRATION.—Open to graduates, and, in their last semester, to undergraduate students who wish to specialize in administration. *Second semester,* 30 hours. Two credit hours. Coordinate with 12S (two credit hours). Miss Logan, Dr. Bachmeyer

4. METHODS OF SOCIAL CASE WORK.—Open to students in their third year. *Second semester,* 15 hours. One credit hour.

SOCIAL SCIENCE

1. ELEMENTARY SOCIOLOGY.—The origin, composition, evolution, and functions of society. Special attention given to the study of existing social organizations and to social legislation and the larger problems connected therewith. *First and second semesters,* 60 hours. Four credit hours. Miss Sellew

CHEMISTRY

3. CHEMISTRY.—A study of the fundamental laws of chemistry. Some of the inorganic and organic compounds, their methods of preparation and their reactions. Experiments in the chemistry of digestion and in the composition of blood and of urine. *First and second semesters,* 135 hours. M., W., 8:30-12:30; F., 8:30-9:30. Five credit hours. Dr. Mathews, Dr. Mills, Miss Kandel

ANATOMY AND PHYSIOLOGY

2-3. Anatomy and Physiology. — Lectures, demonstrations, and laboratory work dealing with the gross and microscopic structure and development of the human body and the application of the general principles of physiology. *First and second semesters*, 135 hours. Tu., Th., 1:30-5:30; F., 2:00-3:00. Five credit hours. Drs. Knower, Fischer, Baehr, Miss Pfefferkorn

FOODS AND NUTRITION

6. Elements of Cookery.—Considers the elementary principles of cookery, with an introduction to the planning and serving of meals. This course or its equivalent is prerequisite to Course 4. *First semester and summer term*, 60 hours. Two credit hours. Miss Guard

4. Dietetics and Nutrition.—Deals with the food requirement of the individual in health and disease throughout life, in the light of the chemistry and physiology of digestion, the energy value of food, and the nutritive properties of the various food stuffs. 75 hours. Three credits. *First and second semesters.* Coordinate with Nursing Practice 12V (one credit hour). Miss Deitemeier

MATERIA MEDICA

1. Introduction to the Study of Drugs.—Study of weights and measures, calculation and practice in making solutions, methods of handling and preserving drugs, and the preparation of medicines for administration. *First and second semesters*, 54 hours. Two credit hours. Miss McKinney

2. Pharmacology and Therapeutics.—An elementary study of the physiological action of drugs, with demonstrations, including a study of the symptoms and treatment of poisoning by medicinal agents. *First and second semesters*, 30 hours. Two credit hours. Miss Kandel

BACTERIOLOGY AND HYGIENE

1. Personal and Hospital Hygiene.—Facts and principles relating to the body's construction and function, which may strengthen the argument in favor of hygienic living; hospital sanitation and observation study in the hospital. *First semester and summer term*, 30 hours. S., 11:00-12:00. Two credit hours. Miss Busche

2. Bacteriology.—Lectures, demonstrations, and laboratory work, covering the general aspects of bacteriology, with special em-

phasis on the relation of bacteria and protozoa to the production of disease. Principles of asepsis and disinfection will be gone into fully. *First and second semesters,* 60 hours. Two credit hours. Miss Pfefferkorn, Miss McKinney

3. Bacteriology and Hygiene.—A more advanced course consisting of class conferences, collateral reading, and the preparation of papers on special aspects of bacteriology and hygiene. *First and second semesters,* 15 hours. One credit hour.
Dr. Wherry, Miss Pfefferkorn

5. Community and Industrial Hygiene. — Lectures on municipal hygiene, transmissible diseases, and industrial hygiene. *Second semester,* 15 hours. Tu., 1:00-2:00. One credit hour.
Dr. McCord

PATHOLOGY

1. Elementary Pathology.—Historical development; regressive tissue changes, inflammation and repair; tuberculosis, syphilis, etc.; tumors. Lectures and demonstrations. *First semester,* Tu., 3:00-4:00; *second semester,* Th., 3:00-4:00. Fifteen hours. One credit hour. Dr. Austin

COLLEGE OF LAW

(Cincinnati Law School)

(For list of officers of instruction and administration see page 41)

REQUIREMENTS FOR ADMISSION

REGULAR STUDENTS

Candidates for the degree of Bachelor of Laws must be graduates of an approved four-year high school and have taken at least one year's work (30 credits or the equivalent) in a college of liberal arts and sciences at some approved university. Before registering they must forward their credentials showing the above credits.

SPECIAL AND IRREGULAR STUDENTS

Special students are those who are not qualified to enter as regular students, but who desire to take some or all of the courses of study.

Irregular students are those who are qualified to enter as regular students, but who attend only part of the lectures and recitations.

Special and irregular students are accepted only under special circumstances and upon such terms and conditions as may be prescribed by the Dean and faculty, and no certificates are given them unless specially ordered by the Dean and faculty.

ADVANCED STANDING

A student may be given credit for work done in an approved law school upon presentation of a certificate showing that he has taken such work and successfully passed examination therein in said school.

SCHOLARSHIPS AND PRIZES

The faculty have established a scholarship to be awarded to a student, selected by the faculty, who has completed the course of study prescribed for the second-year class.

Mr. Richard H. Wald will give each year, so long as he lives, a scholarship to be awarded to the student making the best record in the subject of Contracts.

A prize of $75 is awarded to the student having the highest average of credits during the three years' course.

A prize of $50 is awarded to the student having the next highest average of credits during the three years' course.

By his will, the late Hon. John R. Sayler left to the college a fund, out of the proceeds of which a prize of $50 for the best essay on the subject of Bills and Notes, and another prize of $50 for the best essay on the subject of Evidence are to be awarded each year. If in any contest the judges find no manuscript of sufficient merit, there shall be no award of that prize for that year.

The late Commander George Wood Logan, U. S. N., gave a fund of about $4,000 to establish a scholarship to be known as "The Thomas A. Logan Scholarship," in memory of his father, Thomas A. Logan, a graduate of the class of 1851, and for many years a member of the Cincinnati bar. The income arising from this gift is to be applied to the tuition, including the use of the necessary books, of students selected under regulations prescribed by the faculty.

EXAMINATIONS

The annual examinations of each class are held in May. No student is regarded as having finally completed the work of the year unless he has obtained a general average in all courses of 70 percent, and a grade of at least 60 percent in each of them.

In order to pass from a lower to a higher grade or to be graduated, a student not only must have passed the examinations satisfactorily, but must have regularly attended classes and have satisfied the faculty by his work in the classroom that he should so pass or be graduated.

CONDITIONS

A student who has fallen below 60 percent in not more than four courses and still has a general average of more than 70 percent may, with the permission of the Dean and faculty, take another examination in those subjects in which he has failed.

No one can be admitted as a regular student to the third-year class who has any conditions standing against him.

The right to take examinations, as well as the privilege of continuing one's membership in the school at any time, is conditioned upon regular attendance at the exercises of the school, and conduct satisfactory to the faculty.

CONVOCATION

A general meeting of all the students is held in the study hall from time to time.

Announcements of general interest to the school are made, and matters affecting the school in general are brought to the attention of the students at this meeting.

REGULAR PROGRAM OF THE COURSE IN LAW

The degree of Bachelor of Laws is given to students who have completed the prescribed course of three years, have passed satisfactorily the final examinations, and may be otherwise qualified. Degrees are granted only to regular students.

Regular students must take all subjects prescribed and are admitted to the following year's class only upon passing the required examinations.

No certificate of credits is given to any student who has not completed the full three-year course, unless the student is entering another law school in the Association of American Law Schools, in which case the certificate is sent directly to the school which he expects to enter.

PRE-LEGAL PROGRAM IN THE McMICKEN COLLEGE OF LIBERAL ARTS

Students in the College of Liberal Arts of the University of Cincinnati, as a preliminary to entering the College of Law, must take the following courses:

REQUIRED

English Composition 3 credit hours, 2 semesters
English Constitutional History 3 credit hours, 1 semester
American Constitutional History 3 credit hours, 1 semester
Algebra and Trigonometry 3 credit hours, 2 semesters
or
Physics 5 credit hours, 2 semesters
Hygiene 1 credit hour, 2 semesters
Gymnasium 2 exercises a week, 2 semesters

ELECTIVE—4 or 5 hours if mathematics be taken; 2 or 3 hours if physics be taken

Latin 3 credit hours, 2 semesters
Economics 3 credit hours, 2 semesters
Economic History 2 credit hours, 2 semesters
American Government 3 credit hours, 2 semesters
Sociology 2 credit hours, 2 semesters
Survey of English Literature 2 credit hours, 2 semesters
Shakespeare 3 credit hours, 2 semesters
Argumentation (on permission) 2 credit hours, 1 semester
Public Address (on permission) 2 credit hours, 1 semester

SIX-YEAR COMBINED LIBERAL ARTS AND LEGAL PROGRAM

A student who has received credit for the work of the first two years in the College of Liberal Arts may, in the third year, elect from four to six hours a semester of the lectures of the first year of the law course as a substitute for studies in the College of Liberal Arts, and in the following year he may, in the same way, take the remainder of the thirteen hours of the first year's course in the College of Law. Upon passing the required examinations he is given the degree of A.B. Or, if he so desire, he may elect, in his Senior year, the entire thirteen hours of the first-year law course, in which event he is given the degree of A.B. upon passing the prescribed examinations at the College of Law.

COURSES OF INSTRUCTION

1920-1921

(Subject and Case Book Used)

		Hours a Week
First Year		
Contracts (*Williston*)	Pugh	2
Criminal Law (*Beale, Ed.* 3)	Wheaton	2
Property (*Warren*)	Arnold	2
Torts (*Pound's Ed. of Ames and Smith*)	Merrell	2
Common Law Pleading (*Scott*)	Wheaton	1
Persons (*Selected Cases*)	Weber	1
Damages (*Beale, Ed.* 2)	Weber	1
Legal Bibliography	Wheaton	
Practice Court		1
Public Speaking	Van Wye	1
Second Year		
Agency (*Wambaugh*)	Wheaton	2
Property (*Gray, Vols.* 2 *and* 4)	Weber	2
Sales (*Williston*)	Oppenheimer	2
Suretyship (*Stearn*)	Arnold	1
Equity (*Ames,* 2 *Vols.*)	Pugh	3
Evidence (*Hinton*)	Dempsey	2
Bankruptcy (*Williston, Ed.* 2)	Wheaton	1
Federal Procedure (*Wheaton*)	Wheaton	
Quasi-Contracts (*Woodruff*; 1917 *Ed.*)	Arnold	1
Practice Court		1
Third Year		
Constitutional Law (*Hall*)	Harmon	2
Corporations (*Richards*)	Benedict	2
Partnership, 1st term (*Burdick*)	Wheaton	2
Trusts (*Ames*)	Pugh	1
Mortgages (*Wyman*)	Pugh	1
Municipal Corporations (*Beale*)	Weber	1
Common Carriers (*Beale*); Public Service Companies (*Wyman*); Interstate Commerce (*Frankfurter*)	Arnold	2
Bills and Notes (*Ames*)	Weber	2
Code Pleading (*Whittaker's Ohio Code and Selected Cases*)	Weber	1
Conflict of Laws (*Lorenzen*)	Arnold	1
Practice Court		1
Review		

METHOD OF STUDY

The case method is used exclusively and a thorough review course is given for students in the third-year class.

PRACTICE COURT

Practice court is held once a week for each class. Cases may be taken, on error or appeal, to the practice court of the next higher class, or be re-argued before members of the faculty.

REGISTRATION BY CORRESPONDENCE

Correspondence in advance of registration is required. Applicants for admission as regular students of the College of Law must forward in advance their credentials showing graduation from an approved four-year high school and at least one year's work in a college of liberal arts and sciences at some approved university.

For catalogue and further information, address

THE SECRETARY TO THE FACULTY

COLLEGE OF LAW

CLIFTON AVE., WEST OF VINE ST.

TELEPHONE, CANAL 6741 CINCINNATI, OHIO

FELLOWSHIPS, SCHOLARSHIPS, AND PRIZES

Awarded in June, 1920 and 1921

GRADUATE SCHOOL

The *Baldwin Fellowships*, each amounting to $500 in addition to exemption from tuition and laboratory fees, have been provided by the Francis Howard Baldwin bequest. Eight of them were filled for the session 1920-1921 by the following students:

*William Howard Bell, Bacteriology
Hilda Buttenwieser, Latin
Stanton Chapman Crawford, Zoology
Jacob Feld, Civil Engineering
Walter Soller, Mechanical Engineering
Robert Lee Straus, English
Robert Coulter Walker, Biochemistry

Nine were filled for the session 1921-1922 as follows:

Stephen James Maddock, Anatomy
Symmes Oliver, Physiology
Jacob Feld, Civil Engineering
Walter Soller, Mechanical Engineering
Bess Marie Eversull, Mathematics
Elmer G. Conover, Physics
Robert Coulter Walker, Biochemistry
Francis Robert Auman, Political Science
Adaline Hallock Elliott, English

The *D. A. R. Fellowship in American History*, of the value of $100 a year, was awarded for the session 1920-1921 to Frank Burnham Finney; for 1921-1922 to Louise Dale Scherl.

The *Hanna Fellowship in Physics*, established in 1906 by Mrs. Henry Hanna and Miss Mary Hanna, of the value of $500 a year in addition to exemption from tuition and laboratory fees, was awarded for the sessions 1920-1921 and 1921-1922 to John Philip Karbler.

The *Du Pont Scholarship*, of $350, was offered for the session 1920-1921 by the E. I. Du Pont de Nemours Company, to a student engaged in graduate work in chemistry or chemical engineering. The scholarship was awarded to Joseph Lawrence Donnelly.

The *Armstrong-Hunter Memorial Scholarship*, established in memory of Miss Sarah J. Armstrong and Miss Clara Hunter, was awarded for the session 1921-1922 to Inez Tracy.

*First semester only

The *University Scholarships*, which exempt their holders from the payment of tuition fees, were awarded for the session 1920-1921 as follows:

Williametta Baker, Latin
*Louis Binstock, Philosophy
*Walter Andrew Cook, Chemistry
Helen Laura Cord, English
Alice Elaine De Beck, Latin
*Bess Marie Eversull, Mathematics
Carl Everett Otto, Chemistry

They were awarded for the session 1921-1922 as follows:

Mary Walker, Chemistry
Frank Coker, Chemistry
Carl Everett Otto, Chemistry
Walter A. Cook, Chemistry
Earl E. Gudikunst, Political Science

COLLEGE OF LIBERAL ARTS

The twelve *Thoms Honorary Scholarships*, awarded annually to the six Sophomores and the six Freshmen who have the best scholastic records, were given to the following:

Sophomores 1919-1920

Louis Johnen
Frank Hier
Irene Chrisman
Edna Eversull
Ruth Clippinger
Willa Gholson

Freshmen 1919-1920

Gaylord Merriman
Hyman Greenwald
Frederick Koehler
Estella Borreson
Mary Louise Stacy
Margaret Sisson

Sophomores 1920-1921

Gaylord Merriman
Margaret Sisson
Frank Benus
Asher Isaacs
Else Schulze
Estelle Benton

Freshmen 1920-1921

Charles Posner
Donald Beddoe
Jessie Cameron
Katherine Porter
Dorothea Wharton
Dorothy Koch

The five *McMicken Honorary Scholarships*, awarded annually to the five Juniors who have the best scholastic standing, were given as follows:

1919-1920

Jacob Ogel
Bess Eversull
Christine Hoshaw
Hazel Jaffe
Kathryn Lindner

*Second semester only

1920-1921

Ruth Clippinger
Louise Kreimer
Frank Hier
Edna Eversull
Gladys Martin

For the year 1919-1920, three *Scholarships for French Women* were held by the following students of the College of Liberal Arts:

Ellen Cormier
Marie Boulard
Germaine Le Page

The *Comegys Scholarship* of $50, established in 1899 by the Old Endowment Association composed of the alumni of the University, and awarded to a meritorious undergraduate, was given to Eleanor Axline in 1919-1920; to Louis Johnen in 1920-1921.

The *Taft Scholarship* of $100, donated by Mr. Charles P. Taft, and awarded to a worthy student selected by the President of the University, was given to John Wasson Dalzell in 1920; to Julia Kelley in 1921.

The *College of Law* has established a scholarship open to Seniors in the College of Liberal Arts who intend to enter the College of Law after graduation. The recipient of this scholarship was Samuel Shillman in 1920-1921; Frank Burnham Finney in 1921-1922.

In 1917, *Robert Lee Straus*, a graduate in the class of that year in the College of Liberal Arts, established an annual prize of $20, to be given to the undergraduate writing the best original composition in verse during the college session. For the session 1919-1920, the judges of the verse submitted felt that no piece was worthy of the award. With the consent of the donor, therefore, the prize was bestowed upon that member of the Freshman class who, in competition for *Honors in Freshman English*. had achieved the highest distinction. This student was Hyman Greenwald. For the session 1920-1921 the prize was given to Edward Kennedy.

First Honors in Freshman English for the year 1920-1921 were awarded to Dorothy Koch; and *Second Honors* to Jessie Cameron.

The following students, who took part in inter-collegiate debate within the year, were awarded *Debating Certificates*:

1919-1920

Stewart Sanson Cooper
John Dewey Shields
Herbert T. Leyland
Herald G. Gardner
Edward L. Meyer
Cornelius J. Petzhold
Milton H. Schmidt
L. Emerson Tull
Robert G. Thayer
Donald S. Raymond
John S. Williams

1920-1921

J. Ebersole Crawford
Edward Meyer
Herald Gardner
Donald Raymond
John Dalzell
Charles Harrell
Howard Metzger
George Metzger
Ernest Newbold
Herbert Black
Robert Biltz

In order to provide a nucleus for a strong alumnal association, the student body of the University, acting through the Student Council, selects annually from the Senior class those who have been most active in college affairs during their four years at the University. The members of this *Cincinnatus Society* chosen by the Student Council from the class of 1920 are as follows:

Ralph Reade
Mary Paddack
Samuel Bailey
Miriam Westheimer
Cornelius Petzhold
Francis Fassett
Elaine De Beck
Mary Kramer
Esther Sechrist
Earl Widau
Helen Knight
Hilda Fillmore
Dorothy Sisson
Stewart Cooper
Helen McCarthy
Selden High
Herbert S. Winans

The members chosen from the class of 1921 are as follows:

G. Willard Breiel
Henrietta Brady
Edward Strietelmeier
Hermina Hoppe
Eleanor Axline
Susan Wilson
Alfarata Meyers
Charles Constable
Chase Davies
J. Ebersole Crawford
Edith Murdock
Herbert Leyland
Burnham Finney
Dorothy Poysell
Daniel Fries
Bertha Rogatsky

The *Henry Hochstetter Prize*, of the value of $40, awarded annually to the student writing the best graduating thesis in chemistry, was given in 1919-1920 to Joseph E. Ellert for his thesis entitled *A Study of the Hydrogenation of Oils*. The essay of Ralph W. B. Reade entitled *A Proposed Method for Determining Carbon Dioxide in Flue Gases* received honorable mention.

In 1920-1921 the prize was given to Edwin Raymond Theis for his thesis entitled *The Determination of Free Sulphuric Acid in Leather*. The essay of Lester Charles Crome, entitled *Sulphur in Malleable Cast Iron*, received honorable mention.

The *Edward Miles Brown Prize* of $50, established in 1908 by the late Professor Brown and given to that member of the Senior class who has attained the highest excellence in English during the four years' undergraduate course, was awarded in 1920 to Hildegarde M. Fillmore; in 1921 to Eleanor Axline.

Two prizes for oratory, established by *Major Frank J. Jones*, are annually awarded to the two members of the Senior class who write and pronounce the best English orations. In 1919-1920 the first prize of $40 was won by Aubrey Williams and the second prize of $20 by John Franklin Knapp. Honorable mention was given to Samuel Wolk.

The following students, on account of scholarship and distinguished attainments, were elected to the Delta Chapter of the *Phi Beta Kappa Society* in the State of Ohio:

1919-1920

Robert Ager	Salomea Neumark
Williametta Baker	Mary Paddack
Stewart Cooper	George Renner
Elaine De Beck	Jean Robinson
Abraham Feinberg	Dorothy Sisson
Hildegarde M. Fillmore	Samuel Todd
John Knapp	Samuel Wolk

1920-1921

Eleanor Axline	Moses Isaacs
Nelson Brooks	Herbert Leyland
Helen Brown	Kathryn Lindner
Bess Eversull	Dorothy Stephans
Burnham Finney	Inez Tracy
Abraham Freed	Alice Truitt
Aline Hesterberg	Ruth Weir
Christine Hoshaw	Jean Winston

In 1911 the Reverend William McKibbin and his wife established, in memory of their son, *Robert Patterson McKibbin*, a gold medal of honor to be given to that member of the Senior class of the McMicken College of Liberal Arts who has best kept before him throughout his course ideals of manliness such as college life should encourage. Upon vote of the faculty, this medal was awarded to Stewart Sanson Cooper in 1919-1920; to Chase Davies in 1920-1921.

A scholarship for the first semester of 1920-1921, given by the *Young Men's Christian Associations of Virginia*, was awarded to C. Adair Harrell.

In memory of *Victor Abraham*, the Independent Order of B'nai Brith has offered to the College of Liberal Arts a prize of $50 to be awarded annually to that student who writes the best essay on the subject "Good Citizenship." The notice of this gift was not received in time to enable students to compete in 1920-1921, but the prize will be awarded during 1921-1922.

The *Margaret Stockwell Talbert Prize*, of $50, for excellence in psychology, established by the Cincinnati Alumnae Club of the Alpha Chi Omega Sorority, was awarded for the first time in 1920-1921. It was given to Frank Hier.

The *Anatomical Research Room* of the University of Cincinnati at Woods Hole, Massachusetts, was awarded for this season to Miss Dora Tyree.

The *Julius Fleischmann Scholarships*, offered to the members of the graduating classes in the accredited schools of the University outside of Cincinnati, were awarded for 1920-1921 as follows:

Jessie Cameron
†Robert Coffin
†David Feinberg
Thelma Houchins
John Loofbourow
†Ruth Mehle
†Eleanor Phillips
*Hazel Winston

COLLEGE FOR TEACHERS

The following students were elected into the *Kappa Delta Pi Society*:

1919-1920

Julia C. Grant
Elizabeth C. Hagemeyer
Mary M. Hildebrandt
Elsa P. Kimball
Helen Linnard
Louise Phillips
Mary Steiner
Roberta Stoehr

1920-1921

Eleanor Axline
Irene Chrisman
Aline Julia Hesterberg
Stella Hummel
Hazel L. Jaffe
Hazel L. Koppenhoefer
Kathryn L. Lindner
Mary Helen Paddack
Jean Hastie Robinson
Grace Marian Ryan
Corinne Scheiffele
Inez Tracy
Alice E. Truitt
Elizabeth Tucker
Ruth Weir

COLLEGE OF ENGINEERING AND COMMERCE

The following students, on account of high scholastic standing and personal worth, were elected to the *Tau Beta Pi Society*:

1919-1920

E. W. Detraz
H. E. Goetz
J. R. Hartman
R. Kellogg
A. W. Langenheim
H. G. Peterson
H. F. Passel
G. H. Probst
C. C. Ritter
C. Trinklæ
L. E. Tull
H. N. West
E. Widau
P. H. Yelton

1920-1921

H. E. Deardorff
H. C. Curtiss
W. W. Roller
J. E. Myers
C. V. Theis
H. B. Williams
E. R. House
William Woelflin, Jr.
G. E. Shoemaker
E. A. Kraemer

*Second semester, 1920-1921, only
†First semester, 1920-1921, only

COLLEGE OF MEDICINE

The successful competitors for places as resident physicians in hospitals were as follows:

1920

Clyde Clarkson Payne Cincinnati General Hospital
David S. Hachen " " "
Clifton Sherwood Turner " " "
Mary S. Knight " " "
Eslie Asbury " " "
Jerome Zeigler " " "
Victor Ray, Jr. Good Samaritan Hospital, Cincinnati, O.
Robert A. H. Stack " " " "
Clifford J. Straehley " " " "
Erwin M. Straehley " " " "
E. N. Beatty Christ Hospital, Cincinnati, O.
Karl W. Horn " " "
William R. Rogers " " "
Albert L. Haas Jewish Hospital, Cincinnati, O.
Louis M. Hohman " " "
William McK. Runyan " " "
John Franklin Sutton " " "
Howard D. McIntyre Longview Hospital, Cincinnati, O.
Matthew T. Donahue St. Elizabeth's Hospital, Covington, Ky.
Henry F. Kenkel " " " "
Alice Lyle .. Hospital of the Woman's Medical College, Philadelphia, Pa.
E. M. Britenburg Miami Valley Hospital, Dayton, O.
Samuel G. Molinder " " " "
John F. Torrence " " " "
James G. Jones Mt. Sinai Hospital, Cleveland, O.
Edward S. McDowell Albany Hospital, Albany, N. Y.
Abraham Brown Butterworth Hospital, Grand Rapids, Mich.
Kenneth Lockwood " " " " "
Earl N. Deppen St. Joseph's Hospital, Omaha, Neb.
George G. McKhann " " " "
V. D. Brigham St. Vincent's Hospital, Indianapolis, Ind.
C. V. Kilbane St. John's Hospital, Cleveland, O.
R. B. Walker Harper Hospital, Detroit, Mich.
Howard E. Busching City Hospital, Louisville, Ky.
William B. Scherr Akron City Hospital, Akron, O.
Rush C. Newman Metropolitan Hospital, New York, N. Y.
Frank T. Linton Bismarck Hospital, Bismarck, N. D.
Fred Adelstein St. Alexis Hospital, Cleveland, O.
Herbert N. Smith St. Anthony Hospital, Terre Haute, Ind.

1921

Flipse, Mathew Jay Cincinnati General Hospital, Cincinnati, O.
Hendrickson, Floyd Chester, Cincinnati General Hospital, Cincinnati, O.
Smith, Vincent Vanhorn .. Cincinnati General Hospital, Cincinnati, O.
Vonderahe, Alphonse Ralph, Cincinnati General Hospital, Cincinnati, O.
Striker, Cecil Cincinnati General Hospital, Cincinnati, O.
Downing, Harold Francis .. Cincinnati General Hospital, Cincinnati, O.
Ganim, Joseph Nicholas Cincinnati General Hospital, Cincinnati, O.
Raap, Gerard Cincinnati General Hospital, Cincinnati, O.
Wylie, Charles Andrew Cincinnati General Hospital, Cincinnati, O.
Sommer, Louis Cincinnati General Hospital, Cincinnati, O.
Newcomb, Paul Barkley Cincinnati General Hospital, Cincinnati, O.
Lavender, Herman Leon Cincinnati General Hospital, Cincinnati, O.
Pickerel, Fred Beverly Cincinnati General Hospital, Cincinnati, O.
Sudhoff, Paul Gerhardt Cincinnati General Hospital, Cincinnati, O.
Shook, Hubert Herman Cincinnati General Hospital, Cincinnati, O.
Pieck, Carl Edward Cincinnati General Hospital, Cincinnati, O.
Benzing, Jr., George Good Samaritan Hospital, Cincinnati, O.
Shafer, Clarence Joseph Good Samaritan Hospital, Cincinnati, O.
Felter, Lloyd King Good Samaritan Hospital, Cincinnati, O.
Willke, Gerard Thomas Good Samaritan Hospital, Cincinnati, O.
Beumler, Arthur Karl Christ Hospital, Cincinnati, O.
Robins, Joseph Edwin Christ Hospital, Cincinnati, O.
Minich, Paul Rust Christ Hospital, Cincinnati, O.
Brammer, Fred Emerson Christ Hospital, Cincinnati, O.
Conwell, Halford Frederick Bethesda Hospital, Cincinnati, O.
Musekamp, George Henry Deaconess Hospital, Cincinnati, O.
Boocks, Howard Moore Fairmont Hospital, Fairmont, W. Va.
Cook, George Harvey .. Los Angeles County Hospital, Los Angeles, Cal.
Corpron, Douglas Squire .. Western Pennsylvania Hospital, Pittsburgh
Nesbit, Orval Isaac Western Pennsylvania Hospital, Pittsburgh
Pirrung, Matthew Clarence, Western Pennsylvania Hospital, Pittsburgh
Zevalkink, Richard Western Pennsylvania Hospital, Pittsburgh
Fraas, Clarence LeRoy Miami Valley Hospital, Dayton, O.
Wagner, Harold Harr Miami Valley Hospital, Dayton, O.
Huston, James Mallernee .. U. S. Marine Hospital, San Francisco, Cal.
Jones, Herbert Claiborne Mt. Sinai Hospital, Cleveland, O.
Koehler, William Augustus .. Society of the New York Hospital, N. Y.
Kuhn, Hugh Alva Gary Hospital, Gary, Ind.
Kymmel, August U. S. P. H. Hospital No. 43, Ellis Island, N. Y.
Lindner, Joseph Southern Pacific Hospital, San Francisco, Cal.
Unsinger, Harold Farquhar .. Southern Pacific Hospital, San Francisco
Malone, Herbert Patrick .. Syracuse Memorial Hospital, Syracuse, N. Y.
Miller, Blanche Bonsack Chester Hospital, Chester, Pa.
Miller, Harold Clayton Chester Hospital, Chester, Pa.

Pilliod, John Victor St. Vincent's Hospital, Toledo, O.
Schuiteman, Edward St. Vincent's Hospital, Toledo, O.
Talbott, Samuel Ford.. Thomas D. Dee Memorial Hospital, Ogden, Utah
Woodburn, Lemuel Ansel City Hospital, Springfield, O.
Hannah, Hewitt Blain..... U. S. P. H. Hospital, Minneapolis, Minn.
Davis, David Carson Chester Hospital, Chester, Pa.
Maloney, John James Good Samaritan Hospital, Cincinnati, O.
Price, Jay Mt. Sinai Hospital, Cleveland, O.
Malone, Herbert P..... Detroit Receiving Hospital, Detroit, Mich.
Drachenberg, Harry Jewish Hospital, Cincinnati, O.
Inskeep, Mahlon John Jewish Hospital, Cincinnati, O.
Davis, Parvin Milton City Hospital, Louisville, Ky.
Hathaway, George Jarvis Speers Memorial Hospital, Dayton, Ky.

The *Kilgour Memorial Prize* of $25, founded in memory of the late Peter T. Kilgour, is awarded each year to that graduating medical student who best combines high general scholarship with fine personal character—one whom our departed friend would have delighted to honor. In 1920 this award by faculty action was made to Robert A. Kehoe; in 1921 to Mathew J. Flipse.

The *Jesse S. Wyler Scholarship*, established by Mrs. Isaac A. Wyler in memory of her son, was awarded for the session 1920-1921 to Theodore Foster.

A chapter of *Alpha Omega Alpha*, the honorary medical fraternity corresponding to Phi Beta Kappa, is established in the College of Medicine.

Those elected for the session 1920-1921 are as follows:

Matthew John Donahue
David Samuel Hachen
Mary Sadelia Knight
William Raymond Rogers
Clifford John Straehley

Those elected for the session of 1921-1922 are as follows:

Mathew J. Flipse
Blanche Bonsack Miller
Harold Clayton Miller
Floyd Chester Hendrickson
Gerard Raap
Vincent V. Smith
John Victor Pilliod
Gerard T. Willke

Dr. William Gillespie gave in 1921 a set of obstetrical instruments to John James Maloney.

SCHOOL OF NURSING AND HEALTH

The *Louise H. Pollak Scholarship* of $100 was given for the session 1919-1920 to Louise Apger, of the class of 1922.

Two scholarships of $550 each, offered by the *Cincinnati Chapter of the American Red Cross* to students in the special course in Public Health Nursing in the School of Nursing and Health, were awarded for the session

1919-1920 to Elizabeth Dooley and Susan Porter; three of $500 each were awarded for the session 1920-1921 to Ethel McKibben, Agnes Yount, and Julia Wheeler.

The *American National Red Cross* awarded a scholarship of $600 for the session 1919-1920 to Eunice E. Bailey, a student in the special course in Public Health Nursing.

Of the three scholarships given by the *Society of Colonial Dames, State of Ohio*, the third-year payments were again awarded for the session 1919-1920 to Mary E. Chaney, class of 1920, Margaret Busche and Helen Stickney, class of 1921; for the session 1920-1921 two were awarded to Margaret Busche and Helen Stickney.

The second-year payment on the scholarship of $300 given by *Mrs. D. B. Meacham* was awarded for the session 1919-1920 to Irma Finlay, class of 1921, who was awarded the third-year payment for 1920-1921 also.

In 1918 the *Cincinnati Chapter of the American Red Cross* offered ten scholarships of $300 to students in the seven schools of nursing in Cincinnati. In 1920 they were awarded to Irene Lou Keltner, Marjory Clark, Hazel Cecile Doherty, Emma Lydia Miller, and Addie Alexander; in 1921 to Addie Alexander, Emma Miller, Hazel Cecile Doherty, Clara Diehl, Helena Fernstrom, Emily Bender, Mary Louise Apger, Nora Carpenter, and Laura McDonald.

The third-year payment on the scholarship of $300 given by the *Cincinnati Woman's Club* was again awarded for the session 1920-1921 to Barbara Lukemire, class of 1921.

In 1919 the *Therese Scheuer Scholarship* of $300 was given by Mrs. Samuel and Mrs. David I. Wolfstein in memory of their mother. The first and second-year payments of this scholarship were awarded to Gladys McKinney, class of 1921.

Mrs. Eunice Bailey Morris, a graduate of the class of 1919, in 1920-1921 offered a prize of $50 to the member of the Senior class embodying the highest ideals in womanhood and nursing. This award was given to Gladys J. McKinney.

COLLEGE OF LAW

(Cincinnati Law School)

A prize of $75 is given to the student having the highest average of credits during the three years' course.

This prize was awarded to Leo Weinberger in 1920; to Lawrence R. Lytle in 1921.

A prize of $50 is given to the student having the next highest average of credits during the three years' course.

This prize was awarded to Elcanon Isaacs in 1920; to Edgar M. Powers in 1921.

The faculty have established a scholarship to be awarded to a student, selected by the faculty, who has completed the course of study prescribed for the second-year class.

This scholarship was awarded to LAWRENCE R. LYTLE in 1920; to RICHARD C. THRALL in 1921.

Mr. Richard H. Wald gives each year a scholarship to the student making the best record in the subject of Contracts.

This scholarship was awarded to WILLIAM M. HARMAN in 1920; to AUGUSTUS BEALL, JR., in 1921.

By his will, the late Hon. John R. Sayler left to the school a fund, out of the proceeds of which a prize of $50 for the best essay on the subject of Evidence is given each year. The essays submitted in 1920 were graded by Judge William M. Worthington, Judge William W. Prather, and Mr. Saul Zielonka, who awarded the prize to REGINA B. CLOSS.

The essays submitted in 1921 were graded by Mr. John Nichols and Mr. John V. Campbell, who awarded the prizes as follows:

Best essay on Evidence—LOUIS J. STRICKER

Best essay on Bills and Notes—LAWRENCE R. LYTLE

Two shares of stock in the Cincinnati Law Library Association, with the first year's dues paid, were offered in 1921 as prizes to the two students in the third year who received the highest averages in Constitutional Law. One of the shares was given by Ex-Governor Harmon, and one by the late Mr. Thornton M. Hinkle. These prizes were awarded to EDGAR M. POWERS, who received the highest average, and LOUIS H. KREITER, who received the second highest average in Constitutional Law.

HOLDERS OF FELLOWSHIPS SINCE 1900

FELLOWSHIPS BY COURTESY:

Eliab Washburn Coy	1906-07
Frederick Alwin King	1906-07
Gordon Woods Thayer	1908-09
Nathan Tovio Isaacs	1910-11
Elliott Smith	1910-11
T. Warrington Gosling	1912-13, 1913-14
Sebastian J. Mauchly	1913-14
Elizabeth Baldwin Demarest	1914-15

D. A. R. FELLOWSHIP IN AMERICAN HISTORY:

George Washington Johnson	1900-01
Mabel Sara Carpenter	1901-02
Alice McGuffey Morrill	1902-03, 1903-04
Isaac J. Cox	1904-05
Frank P. Goodwin	1905-06
Helen L. Stein	1906-07
Marie Paula Dickore	1907-08

Henrietta Marie Mackzum 1909-10
Lesley Henshaw 1910-11
Elizabeth Thorndyke 1911-12
Reginald C. McGrane 1912-13
Margaret Beach Plimpton 1913-14
Miriam B. Urban 1914-15
Mary E. Morgan 1915-16
Helen Swineford 1916-17
Eleanor Stanwood Wilby 1917-18
Minnie Isabel Landen 1918-19
Herbert T. Leyland 1919-20
Frank Burnham Finney 1920-21

ALLIANCE FRANÇAISE SCHOLARSHIP IN FRENCH:

Alice Wilson 1905-06
Louis Selbert 1908-09
Carrie May Perin 1909-10

COLONIAL DAMES FELLOWSHIP IN OHIO VALLEY HISTORY:

Theodore T. Belote 1906-07
Earl Francis Colborn 1907-08
Edgar Chew Sweeney 1908-09
Paul Philip Rover 1909-10
H. Dora Stecker 1910-11, 1911-12

HANNA FELLOWSHIP IN PHYSICS:

Robert Clyde Gowdy 1906-07, 1907-08, 1908-09
Edward G. Rieman 1909-10, 1910-11
Sebastian J. Mauchly 1911-12, 1912-13
Edward Joseph Lorenz 1913-14, 1914-15
Lowell M. Alexander 1915-16, 1916-17
Harold F. Richards 1917-18, 1919-20
Guy Read Bradshaw 1918-19
John P. Karbler 1920-21

TEACHING FELLOWSHIP IN CHEMISTRY:

Harry Shipley Fry 1901-02
Geoffrey Arthur Gray 1902-03
Ralph Ballard Dimmick 1906-07

TEACHING FELLOWSHIP IN ECONOMICS:

Eugene Ewald Agger 1901-02

TEACHING FELLOWSHIP IN BIOLOGY:

William O. Pauli 1902-03
Mabel Spellmire 1903-04
Joseph Hughes Shaw 1904-05

Stanley Rossiter Benedict 1905-06
Leon D. Peaslee 1907-08, 1908-09
Louis W. Sauer 1907-08, 1908-09
Vernon Lantis 1909-10, 1910-11

Teaching Fellowship in Philosophy:

Abraham Cronbach 1902-03

Teaching Fellowship in English:

Arthur James Kinsella 1903-04
Elizabeth Merrill 1904-05

Teaching Fellowship in Modern Languages:

Elsie Metz 1903-04

Teaching Fellowship in Physics:

Harry L. Wieman and Earl Farnau 1903-04
Herbert M. Hughes 1904-05

Fellowship in Physics:

William Bell Cartmel 1905-06

Baldwin Fellowships:

William H. Bell 1919-20, 1920-21
Jacob Feld 1919-20, 1920-21
John F. Heavner 1919-20
George W. Hoeck 1919-20
Anne Susan McLaughlin (Mrs. Roy) 1919-20
Walter Soller 1919-20, 1920-21
Elsa Mae Tyndall 1919-20
Alma M. Wuest 1919-20
Hilda Buttenwieser 1920-21
Stanton Chapman Crawford 1920-21
Robert Lee Straus 1920-21
Robert Coulter Walker 1920-21

Graduate Fellowship in Economics:

George E. Martin 1919-20

E. I. Du Pont de Nemours Fellowship in Chemistry:

Joseph Lawrence Donnelly 1919-20

DEGREES CONFERRED IN JUNE, 1920

GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

Clarence Alonzo Mills

Harold Frederic Richards

MASTER OF ARTS

Sheldon Haas Blank
Herbert Cumming Cornuelle
Elmer George Feusse
John Fred Heavner
George Worcester Hoeck
Frank Oscar Horton
Lester Auer Jaffe
Katharine Louise Keelor
John Herbert Kiger
Edna O'Brien
Russell Olt
Carl Everett Otto
Earl Maurice Otto
Albert Joyce Riker
Robert Lee Straus
Elsa Mae Tyndall
Frank Bird Ward
Alma Marie Wuest
Louise B. Wurtz

McMICKEN COLLEGE OF LIBERAL ARTS

BACHELOR OF ARTS

Robert Barrington Ager
Henriette Ashbrook
Clifford Henry Ahlers
Williametta Baker
Mary Veronica Barrett
Solomon Nathaniel Bazel
Helen Ann Bejach
Emil Bogen
Harry Aaron Braunstein
August Brokaw
Margaret Taylor Brown
Gladys Helen Busch
Harry Herbert Cohen
Stewart Sanson Cooper
Rachel Miriam Crouse
James Henry Cunningham
Henriette Lucile Curtis
Allen Davis
Alice Elaine DeBeck
Earl Richard Dickman
Marion Elizabeth Dolle
Harvey Edward Drach
Hettie C. Ermert
David Lincoln Falk
Hildegarde Maria Fillmore
Josephine Emma Fiscus
Laura Marian Fry
Nelson Glueck
Louise Kathryn Hall
Helen Mae Harshbarger
Eleanor B. Haskins
Helen Louise Heinsheimer
George Worcester Hoeck
Velma Hoffman
Marion Workum Holman
Ruth Catherine Hooke
Edith Marie W. Howard
Nellie Mildred Irwin
Menefee Custer Jewett
Katherine Agnes Keating
Katherine Adolphine Keefer
Gertrude Elizabeth Kemp
John Franklin Knapp
Helen Sherwood Knight
Mary Elizabeth Kramer
Miriam Landman
Martha Jane Lantis
Lily Lewis
Alice Louise Lilly
Alvin S. Luchs
Sylvia Regina Luebbert
Mary Elizabeth McBreen
Mary Eleanor McDevitt
Maria Louise McDonald
Robert Livingston Mayer
Mathilde Mendelsohn
Frederica Miller
Robert Morse Morris
Salomea Neumark
Mary Helen Paddack
Harvey Peters Pease
Cornelius John Petzhold

Virginia Lysle Phillips
Leland Manning Proctor
Marjorie Elizabeth Purves
Pauline Lucretia Raine
George Renner
Katherine Long Richman
Jean Hastie Robinson
Lowell William Rupp
Hazel Margaret Rutterer
Grace Marian Ryan
Mildred Sachs
William Benjamin Schwartz
Esther Margaret Sechrist
Hannah Segal
John Dewey Shields
Samuel Rosena Shillman
Chester R. Shook
Myrtle Silverstein
Dorothy Sisson
Ella Jeannette Slutz
Benjamin Franklin Smith
Mary Catherine Snow
Elizabeth Michie Spalding
Georgetta Lulu Dee Spangler
Harry Joshua Stern
Olga Violet Stuerwald
Jane Miller Sullivan
Catharine Louise Swing
Amelia Truesdale Taylor
Samuel Pogue Todd
Erwin William Tschudi
Miriam Westheimer
Alfred G. Wheeler
Aubrey Willis Williams
Laura F. Willis
Herbert Stewart Winans
Samuel Wolk
Morris Hyman Youngerman

BACHELOR OF SCIENCE

For Work in Liberal Arts and Medicine

Frank Tilden Beck
Vernon Dee Brigham
Harry Louis Claassen
Earl Neagley Deppen
Mary Allen Dillon
Harold F. Downing
Theodore F. Foster
John A. Fraser
Charles Friederich
Elliott M. Hendricks
Louis Joseph Hendricks
Gwendolyn Anna Jones
Charles F. McKhann
Herbert Malone
Myer Salmen Muskat
William Cornelius Paul
Royal Asher Phillips
Carl Edward Pieck
Vernon Bradley Roberts
Harold Alfred Schirrmann
Hyman Slutsky
Emil Rawn Swepston
John Ferguson Torrence
Mendel Zeligs

BACHELOR OF SCIENCE

For Work in Liberal Arts and Nursing and Health

Gladys Sellew

COLLEGE FOR TEACHERS

BACHELOR OF SCIENCE

Emma Marie Belsinger
Edna Fletcher Blesch
Julia Elizabeth Clark
Fannie Marie Clement
Mary Ethel Evans
Henry Harvey Fuson
Ruth Goldberg
Helene Estherlin Gregson
Lucy Ruth Guard
Cleopatra Christine Hall
Helen Emilie Hauck
Alma Lenore Heineman
Mabel Rockwood Helman
Virginia Irene Hulick
Ethel Carolyn Kerr
Jeannette Ruth Kussel
Mildred Kathryn LeSourd
Helen Linnard
Helen Katherine McCarthy
Elizabeth McDonald

Mary Elizabeth Moore
Ruth Marie Norris
Louise Guilford Phillips
Esther Gertrude Pring
Mary Ann Ries
Frances Ellen Rutledge
Minna J. Scheuing
Anita Charlotte Schreck
Ruth Schroff
Vera Adelaide Stall
Cecille J. Stark
Roberta Josephine Stoehr
Jeannette Striker
Maud Suter
Florinne Magdalen Vatter
Olga Lillian Weis
Katherine May Werner
Blanche Ninetta Wheeldon
Artenia Pauline Wright

GRADUATE DIPLOMA IN SECONDARY EDUCATION

Virginia Welty Clippinger
Marianne Angela Gau
Julia Cady Grant
Elizabeth Christine Hagemeyer
Ruth Virginia Helmers
Mary Margaret Hildebrandt
Elsa Peverly Kimball
Minnie Isabel Landen
Lillian Michael
Pearl Bemis Persons
Charlotte Reich Pichel
Mary Catherine Steiner
Lilymae Watts
Alma Marie Wuest

GRADUATE DIPLOMA IN ELEMENTARY EDUCATION

Margaret Louise Cordes
Helen Julia Flannery
Margaret Anna Hasemeier
Lillian Annetta Meeds
Alta Fern Ramsey
Mary Frances Setchel
Meta Laura Simon
Anna Marie Sullivan

GRADUATE DIPLOMA IN PHYSICAL EDUCATION

Anita Charlotte Schreck
Cecille J. Stark

DILPOMA IN PHYSICAL EDUCATION

Roslyn Jackman

DIPLOMA IN INSTITUTIONAL MANAGEMENT

Iva Crawford
Virginia Baker
Ruth Southerland

DIPLOMA IN ART

Ellen Hampton Bound
Helen Marie Brite
James Roscoe Fromm
Frieda M. Kasting
John Henry Marqua

TEACHER'S DIPLOMA IN ELEMENTARY EDUCATION

Ruth Catherine Hooke
Edith Marie Howard

COLLEGE OF ENGINEERING AND COMMERCE

BACHELOR OF CHEMICAL ENGINEERING

James Harwood Garrison
Oscar Phillip Luckett
Robert Stevenson McKinney
Ralph Wight Brownell Reade
John Greig Walker

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Vincent Henry Drufner

BACHELOR OF ELECTRICAL ENGINEERING

Frank Wesley Huss

CHEMICAL ENGINEER

Joseph Emil Ellert
George Arthur Fasold
Joseph Reed Hartman
Harold Nathaniel Hermann
Edwin Jack Richard
Carl Clifford Ritter
William Earl Widau

CIVIL ENGINEER

Samuel Major Bailey
Edwin Robert Gaenge
Arthur William Langenheim
Alfred Neuffer
Alexander Paterson
Howard George Peterson
Lawrence Emerson Tull
Herbert Norton West
John Elmer Wiessler

ELECTRICAL ENGINEER

Glenn Huston Britain
Darwin Scott Brown
Albert Faris DeViney
Dane Marston Hannum
Selden Frank High
Charles Shelley Jones
Lionel Jesse Kepler
Charles Stephen Meyer
Homer Clark Nycum
Frank Ellis Pinckard
Arthur Arnold Van Pelt
Paul Hagemeyer Yelton

MECHANICAL ENGINEER

Edward Wadsworth Detraz
Erwin John Elhoff
Isadore Fabe
Francis Hartwell Fassett
Harold Edmonds Goetz
Norman Augustine Hobstetter
John Harvey Howell
Robert Holmes Kellogg
Allen Moore Lindsley
George Herbert Probst

BACHELOR OF SCIENCE IN COMMERCE

William Habekotte Koenig
Thomas Lee McJoynt
Herbert Shaffer
Harold Clark Steward

COLLEGE OF MEDICINE

DOCTOR OF MEDICINE

Fred Adelstein
Eslie Asbury
Ernest N. Beatty
Vernon D. Brigham
Earl M. Britenburg
Abraham Brown
Howard Ellsworth Busching
Earl Neagley Deppen
Matthew Thomas Donahue
Charles Friedrich
Albert Larry Haas
David S. Hachen

Louis Mathias Hohman
Karl W. Horn
James G. Jones
Robert A. Kehoe
Henry F. Kenkel
Cornelius V. Kilbane
Mary Sadelia Knight
Frank Terry Linton
Kenneth L. Lockwood
Alice F. Lyle
Edward S. McDowell
Howard D. McIntyre
George Grassel McKhann
Edward Charles Mason
Samuel Garvin Molinder
Rush C. Newman
Clyde Clarkson Payne
Victor Ray, Jr.
Vernon Bradley Roberts
W. R. Rogers
William McKay Runyan
William Burkhart Scherr
Marshall Cullen Sexton
Herbert N. Smith
Clifford J. Straehley
Erwin Miller Straehley
Robert A. H. Stack
John Franklin Sutton
John F. Torrence
Clifton Sherwood Turner
Robert B. Walker
Jerome Zeigler

SCHOOL OF NURSING AND HEALTH

DIPLOMA OF GRADUATE NURSE

Katharyn Batey
Lola Beagle
Helen Stearns Blair
Carrie Anna Benham
Flora Louise Butler
Mary Rebecca Chaney
Marjorie Clark
Beulah Aurelia Davis
Katherine Jane Densford
Amy Vaun Edwards
Huldah Janet Emerson
Nora Virginia Greer
Marion Hellings
Mary Elizabeth Jamison
Irene Keltner
Rhoda Elma Macy
Helen Betty Markwith
Hollis Ann McCormick
Phyllis Shattuck Neal
Grace Irene Nesbit
Emma Winona Neuman
Esther Ransohoff
Sarah Louise Rardon
Scioto Belle Roush
Genevieve Stuart Race
Gladys Sellew
Sadie Oneita Shipley
Mary Lou Slonaker
Ava Bernadine Smith
Mabel Eugenia Sowers
Burdette Irma Stivers
Helen Mae Tucker
Florence Tait Walmer
Lulu Carolyn Wening
Elinora Tennant Wescott

SPECIAL CERTIFICATE IN PUBLIC HEALTH NURSING

Eunice Ethyln Bailey
Elizabeth Dooley
Susan Carolina Porter
Mary Shipman

COLLEGE OF LAW

(Cincinnati Law School)

BACHELOR OF LAWS

Albert D. Cash
Philip A. Cohen
John C. Dempsey
Frank S. Graydon
Elcanon Isaacs
Morris Lee
John A. Meyer
Philip A. Pfau
Leo Weinberger
Charles P. Weick
Howard T. Witherby
Marshall Baird Wood

SUMMARY OF GRADUATES, JUNE, 1920

Graduate School:		
Ph.D. Degree	2	
A.M. Degree	19	
		21
McMicken College of Liberal Arts:		
A. B. Degree	100	
B. S. Degree	25	
		125
College for Teachers:		
B. S. Degree	39	
Diplomas	35	
		74
College of Engineering and Commerce		49
College of Medicine		44
School of Nursing and Health		39
College of Law		12
Total		364
Twice Counted		10
Net Total		354

DEGREES CONFERRED IN JUNE, 1921

HONORARY DEGREES

DOCTOR OF LAWS

Robert Chalfont Pugh

GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

Joseph Lawrence Donnelly

Edward Charles Mason

MASTER OF ARTS

Hilda Buttenwieser
Paul Buttenwieser
Ming-Cheng Chou
Helen Laura Cord
Stanton Chapman Crawford
Harvey Edward Drach
Adaline Hallock Elliott
Jacob Feld
Moses Legis Isaacs
Sotaro Kai
John Philip Karbler
Annie F. Kellogg
Ethel Kinney
Charlotte Henrietta Landis
Olive Pearl Lee
Charles Fremont McKhann
William August Margraf
William Alan Quirk
Gladys Sellew
Ella Jeannette Slutz
Walter Soller
Isabella Stewart
Marjorie Adeline Tellefsen
Margaret Kearsey Thomas
Erwin William Tschudi

McMICKEN COLLEGE OF LIBERAL ARTS

BACHELOR OF ARTS

Ethel Louise Atkins
Eleanor Axline
Augustus Beall
Elliott Dallon Becker
Frank C. Biddle
Helen R. Bottigheimer
Henrietta Margaret Brady
Elma Breuer
Albert Nelson Brooks
Beulah Fay Brotton
Gincie Bernice Brown
Helen R. Brown
Virginia Elizabeth Buchanan
Florence M. Callahan
Roslyn J. Cohen
Bertha Cohn
Walter Andrew Cook
Laurence Sprague Coryell
J. Ebersole Crawford
John Anthony Crone
Frances Annette Crouch
Chase Mason Davies
Edna Dewees
Amy P. Diefenbach
Bess Marie Eversull
Eleanor Marie Finke
Frank Burnham Finney
Adele Fischer

Florence Louise Ford
Abraham Freed
Ruth Friedman
Martha Fusshippel
Margaret Grosse
Shirley Knox Hall-Quest
Aline Julia Hesterberg
Hermina Hoppe
Mary Christine Hoshaw
Moses Legis Isaacs
Olivia Wood James
Ethel Anne Johnstone
Florence Margaret Kane
Charlotte Elisabeth Kehm
Paul Alexander Kemp
Ida Elizabeth Koch
Helen C. Lammers
Henry Harlan Langdon
Francis Lesley
Herbert Thompson Leyland
Kathryn Lehrer Lindner
Kathryn Magill McFarlan
Julius Mark
Eugene S. Mittendorf
Edith Hope Murdock
Willard Niederhauser
Jacob Jess Ogel
Caroline Elizabeth Parks
David Harlow Pease
Walter Gilbert Peiser
Leroy Clinton Petty
Ida May Virginia Rhodes
Bertha M. Rogatzky
Walter Elias Rothman
Leonard W. Rowe
Louise Dale Scherl
Esther Anne Scheuerman
Saul Ben Schiff
Henrietta Kathryn Schmeuszer
Madeline M. Schmidt
Ruth Mansfield Seifried
Beatrice King Shannon
Benjamin Milton Siegel
Frances Smith
George Gould Snider
Elihu Starrels
Dorothy Stephans
Robert George Thayer
Edith Thoman
Inez Tracy
Alice Esther Truitt
Dora Tyree
Cyrus Pearne Van Pelt
Elenore Glover Wachs
Edward Wagner
Charlotte Lovena Walker
Helen Cooper Walker
Ruth Lucille Weir
Albert Samuel Wilkerson
Jean Winston
Harold Homer Woodward
Winifred Zettel

BACHELOR OF SCIENCE

For Work in Liberal Arts and Medicine

H. Glenn Bell
Albert Louis Brown
Abram Gerson Carmel
Horace A. Day
Leo Samuel Friedman
Lloyd P. Gieringer
George M. Guest
George Leon Hardin
Albert Benjamin Charles Hoyer
James Stewart Mathews
William Arnett Morton
Lorenzo Pedroso Porras
Almer Daniel Ritenour
George Edmund Rockwell
Vincent Vanhorn Smith
Joseph Stein
Justice Farless Wynn

BACHELOR OF SCIENCE

For Work in Liberal Arts and Nursing and Health

Marjorie Clark
Helen Burton Stickney

COLLEGE FOR TEACHERS

BACHELOR OF SCIENCE

Minnie Hildred Bachrach
Arlie Margaret Daniels
Frieda Falk
Hattie Feger
Mary Helen Feldmann
Gertrude Anna Francis
Myrtle Priode Geis
Dorothy Elizabeth Habekotte
Marjorie Hanauer
Sarah B. Harris
Phyllis Hauck
Mary Isabelle Hubbard
Margaret E. Huenefeld
Hazel Leona Jaffe
Lela Frances Jones
Mildred Kern
Sarah Levine
Ruth Ella Lindsey
Minnie Meyder
Hazel Cameron Orr
Maude Belle Ragan
Gladys Amy Sadler
Thecla Berne Siebenthaler
Florence Marie Sullivan
Helen Weitkamp
Susan Jane Wilson
Cecelia Youngerman

GRADUATE DIPLOMA IN EDUCATION

Ruth Anne Austin
Eleanor Axline
Williametta Baker
Helen Bejack
August Brokaw
Margaret Brown
Gladys Helen Busch
Catherine Coldewey
Edna May Douglass
Josephine Fiscus
Ruth Guhman
Eleanor Bowdle Haskins
Nellie Mildred Irwin
Ethel Anne Johnstone
Katherine Adolphine Keefer
Mary Elizabeth Kramer
Eleanor McDevitt
Willard Niederhauser
Mary Helen Paddack
Pauline Raine
Jean Hastie Robinson
Grace Ryan
Elizabeth Baldwin Smith
Georgette Spangler

COLLEGE OF ENGINEERING AND COMMERCE

BACHELOR OF CHEMICAL ENGINEERING

Louis Abrams
Charles John Allen
Brent Sterrett Finch
Sidney Rosenstein

BACHELOR OF CIVIL ENGINEERING

Ralph Charles Bauer
John Robert Dorsey
Robert Tinsley Shafer

BACHELOR OF ELECTRICAL ENGINEERING

John Joseph Bockhorst
Lewis Sterling Russell

BACHELOR OF MECHANICAL ENGINEERING

Charles Enoch Constable
Daniel Gustav Fries
Elwood Adam Haas
Elmer Frank Hucke
Calvin Dewey Mitchell
Edward Charles Strietelmeier

CHEMICAL ENGINEER

Henry Lee Beekley
Isadore Albert Berg
Lester Charles Crome
James Tevis Crutchfield
Thomas Ernest Elliott
Eugene Joseph Feighery
George Frederick Garnatz
Francis Richard Gellenbeck
William Eugene Keck
William John McDonald
James Clark McFarland
Theodore Fred Oberlander
Ralph Wright Brownell Reade
Georges Henri Victor Roy
Lou Augustus Stegemeyer
Frederick Thamann
Edwin Raymond Theis
Carl Trinkle
Donald Everett Tuttle

METALLURGICAL ENGINEER

John Harrison Moffett

CIVIL ENGINEER

Bernard Atkin
Joe Clinton Boone
George Willard Breiel
Hector Leigh Brite
Jacob Feld
Gerald Edward Fitzgerald
Oliver Wickerham Gatchell
John Philip Herzog
Frederic James Moss
Lloyd Gerber Mumaw
Ernest Miller Newbold
George Batchelder Pease
Harry Pockras
Albert Henry Schmidt
Edward Llewllyn Winslow
Clinton Hobart Wood

ELECTRICAL ENGINEER

George Carlton Brown
Harry Robert Burns
Harry Franklin Clark
John Edward Doran
John Potts Hobart, Jr.
Rudolph Carl Kamphausen
James Powell McFarlan
Roy Shafter Redmon
Charles Mitchell Warrington
Vernon Ivan Ellsworth Wiegand
Ralph Wilson Wolfinger

MECHANICAL ENGINEER

William David Averill
Leslie Edwin Bryant
Herbert Abraham Dangel
Lewis Johnson Henshaw
Albert Hector Maggs
Jeptha Mackenzie Miller
Edward Henry Mitsch
Cyrus Richard Osborn
William Henry Schaufele, Jr.
Edward Herman Schubert
Eugene Sorin

COLLEGE OF MEDICINE

DOCTOR OF MEDICINE

Arthur Karl Beumler
Howard Moore Boocks
Fred Emerson Brammer
Everett Sidney Cassady
Halford Fred Conwell
George Harvey Cook
Douglas Squire Corpron
David Carson Davis
Parvin Milton Davis
Harold Francis Downing
Harry Drachenberg
Lloyd King Felter
Mathew Jay Flipse
Theodore Frank Foster
Clarence LeRoy Fraas
Joseph Nicholas Ganim
Hewitt Blain Hannah
George Jarvis Hathaway
Floyd C. Hendrickson
Harold H. Howell
James Mallernee Huston
Mahlon John Inskeep
Herbert Claiborne Jones
William Augustus Koehler
Hugh Alva Ross Kuhn
August Kymmel
Frank LaCamera
Herman Leon Lavender
Joseph Lindner
Herbert P. Malone
John J. Maloney
Blanche Bonsack Miller
Harold Clayton Miller
Paul Rust Minich
George Henry Musekamp
Orval I. Nesbit
Paul Barkley Newcomb
Fred B. Pickerel
Carl Edward Pieck
John Victor Pilliod
Mathew Clarence Pirrung
Jay Price
Joseph E. Robins
Kikuzo Sakurai
Edward D. Schuiteman
Clarence Joseph Shafer
Hubert Herman Shook
Vincent Vanhorn Smith
Louis Sommer
Cecil Striker
Paul Gerhardt Sudhoff
Samuel Ford Talbott
Eldon Bryant Tucker
Harold Farquhar Unsinger
Alphonse R. Vonderahe
Harold Harr Wagner
Gerard Thomas Willke
Lemuel Ansel Woodburn
Charles Andrew Wylie
Richard B. Zevalkink

SCHOOL OF NURSING AND HEALTH

DIPLOMA OF GRADUATE NURSE

Gertrude Irene Addicott
Addie Francis Alexander
Alice Beckett
Doris Augusta Bingel
Beatrice Frances Block
Margaret Jeanette Busche
Hester Naomi Cramer
Cecil Hazel Doherty
Beatrice Helen Erman
Nellie Irene Evans
Marion Julia Faber
Gertrude Fergus
Erma Luella Finlay
Aurora Christina Granlund
Helen Gladys Hart
Bertha Haspel
Lula Bryan Herold
Willie Irvine Heuser
Hermine Josephine Hogue
Gladys Margaret Jellison
Esther Beatrice Kernan
Katherine Henrietta Lange
Mary Christine Leahy
Gladys Jeanette McKinney
Sadie Catherine Meagle
Dorothy Eunice Metcalfe
Emma Lydia Miller
Dorothy Henriette Moorehouse
Catherine Frances Morgan
Neva Pauline Mote

Esther May Ochs
Mary Pancake Rowlen
Marguerite Slater
Elizabeth Marjorie Startsman
Anne Virginia Steinhardt
Helen Burton Stickney
Donna Lucretia Stockwell
Julia Wickes Wheeler
Agnes Ramsey Yount

SPECIAL CERTIFICATE IN PUBLIC HEALTH NURSING

Ethel Marie McKibben
Julia Wickes Wheeler
Agnes Ramsey Yount

COLLEGE OF LAW

(Cincinnati Law School)

BACHELOR OF LAWS

Jessie Adler
Neta Lucile Briggs
Regina Barbara Closs
Karl Aloysius Feist
George E. Kearns
Maurice Hyman Koodish
Louis Henry Kreiter
Lawrence R. Lytle
Francis Benedict McConaughy
Paul Anthony O'Brien
Edgar Maurice Powers
Frank Holmes Shaffer, Jr.
George Parker Smith
Henry Joseph Weller
Earl F. Westerfield

SUMMARY OF GRADUATES, JUNE, 1921

Honorary Degree:		
Doctor of Laws		1
Graduate School:		
Ph. D. Degree	2	
A. M. Degree	25	
	—	27
McMicken College of Liberal Arts:		
A. B. Degree	90	
B. S. Degree	19	
	—	109
College for Teachers:		
B. S. Degree	27	
Diplomas	24	
	—	51
College of Engineering and Commerce		73
College of Medicine		60
School of Nursing and Health		42
College of Law		15
Total		378
Twice Counted		9
Net Total		369

REGISTRATION OF STUDENTS

1920-1921

Abbreviations

Any one of the following abbreviations placed beside a student's name indicates that he is taking work in the college designated as well as in the college in which he is listed:

CC	College of Commerce
ELA	Evening Courses in the College of Liberal Arts
LA	College of Liberal Arts
LA—D&E	Day and Evening Courses in the College of Liberal Arts
MC	College of Medicine
TC	College for Teachers
EC	College of Engineering
CL	College of Law
G	Graduate School
D	Listed in more than one college

GRADUATE SCHOOL

Hanna Fellow in Physics

Karbler, John Philip (*Physics*) 30 E. St. Clair St., and Vickery, O.
B. S., Heidelberg University, 1919

D. A. R. Fellow in American History

Finney, Frank Burnham 1835 Hewitt Ave.

Baldwin Fellows

*Bell, William Howard (*Bacteriology*) 1803 Williams Ave , Norwood, O.
A. B., Indiana State Normal College, 1918; *A. M., University of Indiana*, 1918

Buttenwieser, Hilda (*Latin*) 252 Loraine Ave.
A. B., Bryn Mawr College, 1920

Crawford, Stanton Chapman (*Zoology*) 2765 Markbreit Ave.
A. B., Bethany College, 1918

(*D*) Feld, Jacob (*Civil Engineering*) [*EC*] 582 Herkimer St., Brooklyn, N. Y., and
B. S., College of the City of New York, 1918 3348 Burnet Ave.

Soller, Walter (*Mechanical Engineering*) 2415 Talbott Ave.
M. E., University of Cincinnati, 1917

Straus, Robert Lee (*English*) Hamilton Apts., Avondale
A. B., University of Cincinnati, 1917; *A. M., ibid.*, 1920

(*D*) Walker, Robert Coulter (*Biochemistry*) [*MC*].....2515 Auburn Ave.
A. B., University of the South, 1915; *A. M., ibid.*, 1916

Dupont Scholar

Donnelly, Joseph Lawrence (*Chemistry*) 291 Mt. Pleasant Ave., Ft. Thomas, Ky.
A. B , University of Cincinnati, 1917; *A. M., ibid.*, 1919

University Scholars

Baker, Williametta (*Latin*)..... 1015 Boone St., Newport, Ky,
A. B., University of Cincinnati, 1920

†Binstock, Louis (*Philosophy*).....510 Union St.
A. B., University of Tennessee, 1916

†Cook, Walter A. (*Chemistry*) [*LA*]..... Fourth and Sycamore Sts., Hamilton, O.
A. B., University of Cincinnati, 1921

*First semester only
†Second semester only

CORD, HELEN LAURA (*English*) 1950 Hopkins Ave , Norwood, O.
Ph. B., Denison University, 1917
DEBECK, ALICE ELAINE (*Latin*) 1850 Kinney Ave.
A. B., University of Cincinnati, 1920
*EVERSULL, BESS MARIE (*Mathematics*) [*LA*].....414 McGregor Ave., Elmwood Place, O.
A. B., University of Cincinnati, 1921
OTTO, CARL EVERETT (*Chemistry*) 1 Highway Ave., Covington, Ky.
A. B., University of Cincinnati, 1916; *A. M., ibid.*, 1920

GRADUATE STUDENTS

ALTAMER, LAURA MCNUTT (*English*) 5707 Lantana Ave.
A. B., University of Cincinnati, 1919
ASHBROOK, HENRIETTE (*Comparative Philology*).....2 Hedgerow Lane
A. B., University of Cincinnati, 1920
AUSTIN, RUTH ANN (*Mathematics*) 2311 Burnet Ave.
A. B., Mt. Holyoke College, 1919
AXLINE, ELEANOR (*English*) 8 The Priscilla, Hyde Park
A. B., University of Cincinnati, 1921
BANCROFT, JUNE SEIFRIED (*English*) 617 Glenwood Ave
B. S., University of Cincinnati, 1917
BARCLAY, WADE CRAWFORD (*Education*) 2207 Burnet Ave.
Ph. B., University of Iowa, 1899; *B. D., University of Chicago*; *D D., Simpson College*
BECKER, LILLIE (*Philosophy*) 707 Purcell Ave.
B. S., University of Cincinnati, 1919
BEGHTEL, FLOYD ELDON (*Botany*) [*ELA*] 2604 Eden Ave.
A. B., Indiana Central University, 1912; *A. M., Indiana University*, 1917
BEJACH, HELEN ANN (*History*) 311 Hearne Ave.
A. B., University of Cincinnati, 1920
BEVIS, ALMA MURRAY (MRS. HOWARD L.) (*Comparative Literature*).....3924 Floral Ave ,
A. B., University of Cincinnati, 1909 S. Norwood, O.
(*D*) BOGEN, EMIL (*Physiological Chemistry*) [*MC*] 857 Blair Ave.
A. B., University of Cincinnati, 1920
BOONE, WALLACE WILLIAM (*Metallurgy*) 2372 Park Ave.
Ch. E., University of Cincinnati, 1919
BOYLE, REBECCA HOPKINS (*Psychology*) 520 E. Fourth St.
A. B., University of Cincinnati, 1908
BRAAM, MAXIMILIAN (*Germanic Languages*) 3449 Lyleburn Place
A. B., University of Cincinnati, 1906; *A. M., ibid.*, 1913
BRILL, WALTER HENRY (*Mathematics*) 2215 Washington Ave., Norwood, O.
A. B., University of Cincinnati, 1916
BROKAW, AUGUST (*Romance Languages*) 3558 McHenry Ave.
A. B., University of Cincinnati, 1920
BROTTON, BEULAH (*Education*) [*LA*] 127 Huntington Place
A. B., University of Cincinnati, 1921
BURKE, ALMA (*Education*) 4309 Greenlee Ave., St. Bernard, O.
A. B., University of Cincinnati, 1919
BUSCH, GLADYS HELEN (*Latin*) 271 Gilman St.
A. B., University of Cincinnati, 1920
BUTTENWIESER, PAUL (*Psychology*) 252 Loraine Ave.
A. B., University of Cincinnati, 1917
BYERS, FRANK RAWLEY (*English*) Terrre Haute, Ind., and Central Y. M. C. A.
A. B., University of Cincinnati, 1918
CHOU, MING-CHENG (*Mechanical Engineering*)....464 Hongtek Lee, Shanghai, China, and
S. B., Massachusetts Institute of Technology, 1920 Central Y. M. C. A.

*Second semester only

CLARK, PAUL BURROUGHES (*Biblical Literature*) Lane Seminary
A. B., University of Cincinnati, 1919
DAVIS, HARRY E. (*Education*) 2044 Elm Ave., Norwood, O.
A. B., Wittenberg College, 1914
DAVIS, HELEN GORMAN (*Comparative Philology*) 287 Earnshaw Ave.
A. B., Wells College, 1911
DICE, MARGUERITE (*English*) 2457 Maplewood St.
A. B., Goucher College, 1905
DOHERTY, MURPHY JAMES (*Botany*) 429 Riddle Road
B. Sc. Agriculture, Ohio State University, 1913
DOLAN, EDITH AGATHA (*English*) 3981 Lowry Ave.
B. S., University of Cincinnati, 1919
(*D*) DORST, STANLEY (*Biochemistry*) [*MC*] 2515 Auburn Ave.
A. B., Wittenberg College
DRACH, HARVEY EDWARD (*English*) 2200 Auburn Ave.
A. B., University of Cincinnati, 1920
ELBERG, ETTA LOUISE (*Zoology*) 510 Walnut St., Elmwood Place, O.
B. S., University of Cincinnati, 1917
ELLIN, DOROTHY (*English*) 1028 Valley Lane, Avondale
A. B., Wellesley College, 1920
ELLIOTT, ADALINE HALLOCK (*English*) 20 Ash St., Ludlow, Ky.
A. B., Miami University, 1908
ERMERT, HETTIE C. (*German*) Eighth and Overton Sts., Newport, Ky.
A. B., University of Cincinnati, 1920
FEUSSE, ELMER GEORGE (*Physical Chemistry*) 1906 Bigelow St.
A. B., University of Cincinnati, 1919; *A. M., ibid.*, 1920
FLANNERY, HELEN JULIA (*History*) 1712 Madison Road
A. B., University of Cincinnati, 1919
FLESSA, HERBERT LUTHER (*Education*) 237 Emming St.
A. B., University of Cincinnati, 1912
FOLEY, IMOGENE (*English*) 4403 Glenway Ave.
B. S., University of Cincinnati, 1919
FRANZ, GEORGE FREDERICK (*Education*) 2344 Clifton Ave.
B. S. in Education, Ohio University, 1914
(*D*) FREIBERG, JOSEPH A. (*Biochemistry*) [*MC*].....3577 Alaska Ave.
A. B., Harvard University, 1920
FUSON, HENRY HARVEY (*Education*) 1920 Garrard St., Covington, Ky.
B. S., University of Cincinnati, 1920
FUSSHIPPEL, MARTHA (*History*) [*LA*] 2556 Moorman Ave.
A. B., University of Cincinnati, 1921
GOETTSCH, MARIANNE (*Chemistry*) 3340 Bishop St.
A. B., University of Cincinnati, 1917; *A. M., ibid.*, 1918
GRAY, GEOFFREY ARTHUR (*Chemistry*)..... 3537 Trimble Ave.
A. B., University of Cincinnati, 1902; *A. M., ibid.*, 1904
GUEST, GEORGE MARTIN (*Biochemistry*)..... Cincinnati General Hospital
B. S., University of Cincinnati, 1921
HAEHNLE, ELMER CHRISTIAN (*Education*) 830 York St.
A. B., University of Cincinnati, 1911
HAEHNLE, WALTER FEID (*English*) 830 York St.
A. B., University of Cincinnati, 1919
HAGEMEYER, ELIZABETH CHRISTINE (*Education*) 25 The North Roslyn, Clifton
A. B., University of Cincinnati, 1918
HALL, RUTH E. (*Education*) 541 Terrace Ave.
A. B., University of Cincinnati, 1912
HARPER, BERTA B. (*English*) 828 Maple Ave., Newport, Ky.
A. B., University of Cincinnati, 1919
HECKERMANN, RUTH (*Education*) 642 Monroe St., Newport, Ky.
A. B., University of Cincinnati, 1918

HOLMAN, MARION WORKUM (*History*) 9 Cumberland Apts., Avondale
A. B., University of Cincinnati, 1920
HOOKE, RUTH CATHERINE (*Education*) 950 Nassau St.
A. B., University of Cincinnati, 1920
HOOKER, EDITH PRATT (*History*) 3639 Reading Road
A. B., Vassar College, 1913
HOPPE, HERMINA (*English*) [*LA*] 6311 Grand Vista Ave., Pleasant Ridge
A. B., University of Cincinnati, 1921
HORTON, FRANK OSCAR (*History*) 4608 Simpson Ave.
A. B., Oskaloosa College, 1910; *A. M., University of Cincinnati*, 1920
HOSHAW, CHRISTINE (*English*) [*LA*] 249 W. McMillan St.
A. B., University of Cincinnati, 1921
HOUK, RAYMOND AARON (*English*) 1114 Draper St.
A. B., Wittenberg College, 1911; *A. M., ibid.*, 1914
HUBERT, MERTON JEROME (*Romance Languages*) The Delmoor, Clifton
A. B., Cornell University, 1913; *A. M., ibid.*, 1914
HULICK, MAY PERIN (*Education*) 830 Hutchins Ave.
B. S., University of Cincinnati, 1918
HUNT, ESTELLE AUGUSTA (*English*) 3344 Whitfield Ave.
A. B., University of Cincinnati, 1914; *A. M., ibid.*, 1917
IOLA, HYMAN (*Philosophy*) 58 Hand St., Rochester, N. Y., and 3590 Eden Ave.
A. B., University of Cincinnati, 1918
IRWIN, N. MILDRED (*Botany*) 6405 Roe St.
A. B., University of Cincinnati, 1920
ISAACS, MOSES LEGIS (*Chemistry*) 3264 Delaware Ave.
A. B., University of Cincinnati, 1921
JAMISON, LAURA (*English*) Harrods, O., and 219 Cooper Ave., Lockland
B. Sc., Ohio Northern University, 1918
JOHNSON, CHARLES WILLIAM (*Education*) 3968 Regent Ave., Norwood, O.
B. S. in Education, University of Cincinnati, 1918
JOHNSTON, JULIA WULSIN (*Latin*) 12 The Ortiz, E. Fourth St.
A. B., Western College for Women, 1917
JORDAN, MARGARET HALL (*Psychology*) [*ELA*]. .817 Mt. Hope Road, and 231 McCormick Pl.
B. S., University of Cincinnati, 1919
KAHR, JOHANNA (*English*) 259 Greendale Ave.
A. B., University of Cincinnati, 1919
KAI, SOTARO (*Biochemistry*) Miyazaki, Japan, and 257 Loraine Ave.
M. D., Nagasaki Government Medical College, Japan, 1916
KAMM, LEONA CARRIE (*Political Science*) [*ELA*] 8354 Anthony Wayne Ave., Hartwell
B. S., University of Cincinnati, 1916
KEMP, GERTRUDE ELIZABETH (*Political Science*) 244 Kearney Ave.
A. B., University of Cincinnati, 1920
KEMP, JENNIE HARRIET (*History*) 5166 Broermann Ave., St. Bernard
B. S., University of Cincinnati, 1919
KERSTING, EMMA SOPHIA (*Mathematics*) 3936 Dickson Ave.
A. B., University of Cincinnati, 1904; *A. M., ibid.*, 1912
KIENZLE, ETHEL GRACE (*History*) 907 Hopkins St.
B. S., University of Cincinnati, 1919
KINNEY, ETHEL (*Psychology*) [*CC*] [*ELA*] 3226 Woodburn Ave.
A. B., Wellesley College, 1920
KNAPP, JOHN FRANKLIN (*Philosophy*) 1810 Young St.
A. B., University of Cincinnati, 1920
KRAMER, MARY ELIZABETH (*History*) 6264 Corbly Road
A. B., University of Cincinnati, 1920
KRAUPNER, WILLIAM (*Mathematics*) 4106 Sherwood Ave., Madisonville
(*D*) KRONACHER, REGINE JOAN (*Physiology*) [*MC*] 765 Greenwood Ave.
A. B., Wellesley College, 1916

(*D*) Landis, Charlotte Henrietta (*Chemistry*) [*ELA*] [*MC*]....Conservatory of Music, *A. B., University of Cincinnati*, 1919 Mt. Auburn
(*D*) Lee, Olive Pearl (*Biochemistry*) [*MC*].....Fredericktown, O., and 58 Hollister St. *A. B., Ohio University*, 1919
Lyle, Joseph Wilson (*Education*) 1014 Chapel St. *B. S. in Education, Ohio University*, 1914
Lynch, Beatrice Hollister (*Education*) 48 Hollister St. *A. B., Smith College*, 1916
McDevitt, Mary Eleanor (*English*) 541 Hale Ave. *A. B., University of Cincinnati*, 1920
(*D*) McKhann, Charles Fremont (*Parasitology*) [*MC*] 2329 Highland Ave. *A. B., Miami University*, 1918
McNutt, Walter Scott (*Philosophy*) Lane Seminary *B. L., Arkansas Cumberland College*; *A. B., University of Texas*, 1918; *A. M., ibid.*, 1919
Mason, Edward Charles (*Pharmacology*) Springfield, Mo., and 3310 Elland Ave. *A. B., Drury College*, 1914; *M. D., University of Cincinnati*, 1920
Miller, Cary Samuel (*Education*) 2518 Norwood Ave., Norwood, O. *A. B., Miami University*, 1909
Nippert, Eleonore Cathrine (*German*) 4 The Brookline *A. B., University of Cincinnati*, 1903; *A. M., ibid.*, 1915
Noonan, Francesca R. (*German*) 238 Melish Ave. *B. S., University of Cincinnati*, 1917
Ogel, Jacob Jess (*Chemistry*) [*LA*] 3561 Wilson Ave. *A. B., University of Cincinnati*, 1921
O'Hara, Etta Marie (*Education*) 4434 Ashland Ave. *A. B., University of Cincinnati*, 1914
Olt, Russell (*Philosophy*) 2366 Stratford Ave. *A. B., Lebanon University*, 1917; *Wilmington College*, 1918; *A. M., University of Cincinnati*, 1920
d'Orley, Geza Elemir (*Chemistry*) 135 E. Canal St. *A. B., University of Berlin*, 1920; *A. M., ibid.*, 1920
Osterbrock, William Carl (*Electrical Engineering*) [*ELA*] 3031 Marshall Ave. *E. E., University of Cincinnati*, 1918
Pace, Anna Lee Conservatory of Music
Paddack, Mary Helen (*Education*) 626 Hawthorne Ave. *A. B., University of Cincinnati*, 1920
Pfefferkorn, Blanche (*Anatomy*) 2040 Brookfield Ave., Baltimore, Md., and Cincinnati General Hospital *B. S., Columbia University*, 1916
Phillips, Virginia Lysle (*Geology*) [*ELA*] 705 York St., Newport, Ky. *A. B., University of Cincinnati*, 1920
Pluckebaum, Dorothy E. (*Education*) 4711 Loretta Ave. *A. B., University of Cincinnati*, 1916
Quirk, William Alan (*Education*) 1641 Clayton St. *A. B., University of Cincinnati*, 1906
Raine, Pauline L. (*English*) 6363 Montgomery Rd., Pleasant Ridge *A. B., University of Cincinnati*, 1920
Raum, Clara Margaret (*Education*) 321 Erkenbrecher Ave. *B. L., University of Cincinnati*, 1899
Riddle, Mary Elizabeth Bellefontaine, O., and 2153 Sinton Ave.
Robb, Louise Cherry (*English*) Glendale, O. *Ph. B., Chicago University*, 1913
Roberts, George Ellis (*Philosophy*) 3517 Cornell Place *A. B., Drake University*, 1902
Roetken, Emma Louise 71 E. Eleventh St , Covington, Ky. *A. B., University of Cincinnati*, 1916
Rowe, Elsie Jordan (*Geology*) 1643 Knowlton St. *B. S., University of Cincinnati*, 1919

ROWELL, MARY EMMA (*Mathematics*) 849 Hutchins Ave.
A. B., University of Cincinnati, 1907; *A. M., ibid.*, 1910

ROWER, ALICE MARY (*English*) Cleveland, O., and Third and Lytle Sts.
A. B., Ohio State University

RYAN, GRACE MARIAN (*Mathematics*) 1420 Chase St.
A. B., University of Cincinnati, 1920

(*D*) SAKURAI, KIKUZO (*Biochemistry*) [*MC*].....Tokyo, Japan, and 3240 Burnet Ave.
M. D., Chiba Government Medical College, Japan, 1916

SALKOVER, MEYER (*Mathematics*) 17 Juergens Ave.
A. B., University of Cincinnati, 1917; *A. M., ibid.*, 1919

SANDERS, ADELAIDE WILHELMINE (*Mathematics*) 3555 St. Charles Place
A. B., University of Cincinnati, 1916; *A. M., ibid.*, 1917

SANDERS, ETHEL (*Mathematics*) 2918 Montana Ave.
A. B., University of Cincinnati, 1907; *A. M., ibid.*, 1913

SCHEUING, MINNA (*English*) 1756 Hanfield St.
B. S., University of Cincinnati, 1920

SCHMIDT, VICTOR FREDERICK (*Education*) 219 E. 3d St., Covington, Ky.
A. B., Miami University, 1917

SCHROEDER, ESTHER LYDIA (*Education*) 425 Ridgeway Ave.
A. B., University of Cincinnati, 1915

SELLEW, GLADYS (*Economics*) 1603 E. McMillan St.
A. B., University of Cincinnati, 1918; *B. S., ibid.*, 1920

SHAFFER, HERBERT (*Economics*) [*ELA*] 1355 Cryer Ave.
A. B., University of Cincinnati, 1913; *LL. B., ibid.*, 1917; *B. S., ibid.*, 1920

SLUTZ, ELLA JEANNETTE (*History*) Clovernook, Mt. Healthy, O.
A. B., University of Cincinnati, 1920

SMITH, BENJAMIN FRANKLIN (*Political Science*) 426 Richmond St.
A. B., University of Cincinnati, 1920

SMITH, ELIZABETH BALDWIN (*History*) 1805 Madison Road
A. B., Bryn Mawr College, 1915

SMITH, JOHN WESLEY (*Education*) Williamsburg, O.
Pg. B., Valparaiso University, 1918; *A. B., Wilmington College*, 1920

SNUGGS, HAROLD HEBINGER (*Biochemistry*) Ridgecrest, N. C., and 3530 Beldare Ave.
B. S., Georgetown College, 1920

SPORING, EDWARD FRANKLIN (*Education*) Newport, Ky.
A. B., Wilmington College, 1920

STANLEY, HELEN ABIGAIL (*Latin*) 3576 Zumstein Ave.
A. B., University of Cincinnati, 1913; *A. M., ibid.*, 1914

STEINAU, STELLA (*Romance Languages*) 3445 Mooney Ave.
A. B., University of Cincinnati, 1917

STEINER, MARY CATHERINE (*English*)..... 3042 Taylor Ave.
A. B., University of Cincinnati, 1919

STEPHANS, DOROTHY MARIE (*Classics*) [*LA*] 3048 Cleinview Ave.
A. B., University of Cincinnati, 1921

STEWART, ISABELLA (*Education*) 7 Park Row, Mt. Auburn
A. B., University of Cincinnati, 1915

SUGATA, HIKOGO (*Biochemistry*).....Tokyo, Japan, and 3450 Harvey Ave
M. D., Tokyo Charity Hospital Medical College, 1918

SULLIVAN, JANE MILLER (*English*) 2315 Krouse Ave.
A. B., University of Cincinnati, 1920

SWANK, GERTRUDE (*Education*) Newark, O., and Anna Louise Inn
A. B., Ohio Wesleyan University, 1916

SWING, CATHARINE LOUISE (*Romance Languages*) [*TC*] 6230 Robinson Rd., Pleasant Ridge
A. B., University of Cincinnati, 1920

TANGEMAN, ELSIE (*Education*) 2815 Burnet Ave.
A. B., University of Cincinnati, 1910

TANGEMAN, NORMA ROST (*English*) 1601 E. McMillan St.
A. B., University of Cincinnati, 1917

THOMAS, MARGARET KEARSEY (*Philosophy*) 5 Garfield Place
A. B., University of Cincinnati, 1916
TSCHUDI, ERWIN WILLIAM (*Physics*) 2931 Jefferson Ave.
A. B., University of Cincinnati, 1920
TYREE, DORA (*Anatomy*) [*LA*] 112 Malvern Place
A. B., University of Cincinnati, 1921
(*D*) VAN FLEET, HENRY BELLIS (*Engineering*) [*EC*] 752 E. Epworth Ave.
A. B., Harvard University, 1920
WABNITZ, WILLIAM SEYMOUR (*English*) 6809 Carthage Pike
A. B., Ohio State University, 1916
WALDMAN, BESSIE (*English*) 5835 Hamilton Ave.
A. B., University of Cincinnati, 1915
WALKER, EDGAR ALLEN (*History*) Loveland, O.
A. B., Miami University, 1919
WEINBERGER, JULIETTA (*Psychology*) 867 Hutchins Ave.
A. B., University of Cincinnati, 1918
WHITAKER, MARGARET HELEN (*Political Science*) 4419 Carnation Ave.
A. B., Smith College, 1918
WILLIAMS, AUBREY WILLIS (*Philosophy*) 1558 Ruth Ave.
A. B., University of Cincinnati, 1920
WILLIS, LAURA FREDERICA (*Education*) 809 Main St., Covington, Ky.
A. B., University of Cincinnati, 1920
WOLSDORF, HENRY ADOLPH (*Mechanical Engineering*) 2329 Flora St.
M. E., University of Cincinnati, 1919
WOOD, ELIZABETH MARSHALL (*Education*) Ft. Thomas, Ky.
A. B., Smith College, 1909
WULFF, DORIS (*Mathematics*) 395 Terrace Ave.
A. B., University of Cincinnati, 1918

McMICKEN COLLEGE OF LIBERAL ARTS

REGULAR STUDENTS

Seniors

ATKINS, ETHEL L. 4137 Forest Ave., Norwood, O.
BECKER, ELLIOTT DALLON 822 Elberon Ave.
BIDDLE, FRANK CHRISTIAN 621 Riddle Rd.
BOLENBAUGH, MILDRED DIMMITT 565 Delta Ave.
BOTTIGHEIMER, HELEN 823 Lexington Ave.
BRADY, HENRIETTA MARGARET 322 Tusculum Ave.
BREUER, ELMA GRETCHEN 2506 Galvin Ave.
BROOKS, ALBERT NELSON 3655 Middleton Ave.
BROTTON, BEULAH 127 Huntington Pl.
BROWN, GINCIE BERNICE 3641 Burch Ave.
BROWN, HELEN RUTH 228 Piedmont Ave.
BUCHANAN, VIRGINIA ELIZABETH 2538 Highland Ave.
COHEN, ROSALIND JOYCE (*ELA*) 767 Clinton Springs Ave.
COHN, BERTHA 817 Mann Pl.
COOK, WALTER ANDREW 4th and Sycamore Sts., Hamilton, O.
CORYELL, LAURENCE SPRAGUE New York City, and 308 Melish Ave.
CRAWFORD, J. EBERSOLE 701 S. Crescent Ave.
CROUCH, FRANCES ANNETTE 2922 Woodburn Ave.
DAVIES, CHASE MASON 1629 Lincoln Ave.
DEWEES, EDNA MABEL 1429 Sycamore St.
DRAPER, LUCY MCCREA 3740 Clifton Ave.

Eversull, Bess Marie 414 McGregor Ave., Elmwood Place, O.
Feibleman, Minna Shubinski 232 Rochelle St.
Finke, Eleanor Marie 419 Resor Ave.
Finkelstein, Adolph Hyman Goldsboro, N. C., and 3590 Eden Ave.
Finney, Frank Burnham 1835 Hewitt Ave.
Fischer, Adele 431 Rockdale Ave.
Ford, Florence Louise 61 Auburndale Pl.
Frankel, Benjamin M. 3562 Lee Pl.
Freed, Abraham Brooklyn, N. Y., and Haddon Hall
Freund, Elk Lurie 545 W. Ninth St.
Friedman, Ruth 776 E. Ridgeway Ave.
Fusshippel, Martha 2556 Moorman Ave.
Grosse, Margaret Johanna 5123 Whetsel Ave.
(*D*) Hall-Quest, Shirley Knox (*MC*) 18 Maplewood Apts.
Hesterberg, Aline Julia 3563 Middleton Ave.
Hoppe, Hermina Josephine 6311 Grand Vista Ave.
Hoshaw, Mary Christine 249 W. McMillan St.
James, Olivia Wood 310 Oak St.
Johnson, Ella Gertrude 3427 Burch Ave.
Kane, Florence Margaret 272 Parkway Ave.
Kehm, Charlotte Elizabeth 942 Columbia Ave., Newport, Ky.
Kemp, Paul Alexander Bloomington, Md., and 376 Howell Ave.
Kemper, Virginia Campbell 2401 Ashland Ave.
Koch, Ida Elizabeth 3047 Gilbert Ave.
Lammers, Helen Caroline 2797 Montana Ave.
Langdon, Henry Harlan (*ELA*) 2038 Beechmont Ave.
Lesley, Francis 722 E. Sixth St.
Leyland, Herbert Thompson Dayton, O., and 140 W. University Ave.
Lindner, Kathryn Lehrer Glendale, O.
McFarlan, Kathryn Magill 726 W. Ninth St.
Mark, Julius 1038 Wesley Ave.
Martin, Marion 2613 Observatory Rd.
Mittendorf, Eugene 2608 Melrose Ave.
Morris, Minna Mayer 3330 Elland Ave.
Murdock, Edith Hope 3414 Osage Ave.
Niederhauser, Willard Fred 860 Rockdale Ave.
Ogel, Jacob Jess 3561 Wilson Ave.
Outcalt, Louisa Crook 2630 Stanton Ave.
Parks, Caroline Elizabeth 2701 Euclid Ave.
Pauling, Martha Celestine 1320 Burdette Ave.
Pease, David Harlow 841 E. Ridgeway Ave.
Poysell, Dorothy Marie 839 E. Ridgeway Ave.
Rhodes, Ida May Virginia 836 Clinton St.
Rogatzky, Bertha 138 Kinsey Ave.
Rosenberg, Samuel (*ELA*) 17 Juergens Ave.
Rothman, Walter Elias Detroit, Mich. and 868 Hutchins Ave.
Scherl, Louise Dale 2220 Monroe Ave., Norwood, O.
Scheuerman, Esther Anna 2931 Jefferson Ave.
Schiff, Saul Ben (*CC*) 918 Richmond St.
Schmeuszer, Henrietta Kathryn 4818 Greenlee Ave., St. Bernard, O.
Schmidt, Madeline Miriam (*ELA*) 3122 Harvard Ave.
Seifried, Ruth Mansfield 3251 Beresford Ave.
Shaffer, Alicia Bakewell (*ELA*) 2260 Park Ave.
Smith, Frances 5123 Glenshade Ave
Snider, George Gould 2503 Ohio Ave.
Stephans, Dorothy Marie 523 Terrace Ave.
Thoman, Edith Ursula 4051 Rose Hill Ave.

Tobin, Helen Isabel 802 Maple Ave., Newport, Ky.
Tracy, Inez 408 Southview Ave.
Truitt, Alice Esther 4950 Bouton Ave.
Tyree, Dora 112 Malvern Pl.
Wachs, Elenore Glover 235 Hosea Ave.
Wagner, Edward 2423 Clifton Ave.
Walker, Charlotte Lovena 3716 Columbia Ave.
Walker, Helen Cooper 3240 Beresford Ave.
Wilkerson, Albert Samuel 3067 Greist Ave.
Winston, Jean R. F. D. No. 3, Latonia, Ky.
Woodward, Harold 618 Melish Ave.
Zettel Winifred 3303 Menlo Ave.

Juniors

Allen, Dorothy Ruth 1629 Lincoln Ave.
Allen, Gladys Penny 342 Probasco St.
Arndt, Beulah Korst (*ELA*) 16 The Maplewood
Barker, Louise 514 Evanswood Ave.
Barnard, Alleen Elizabeth 1315 Locust St.
Barnes, Harry Elliott 5922 Kellogg Ave.
Barrett, Mildred 7222 Catalpa Rd.
Bauer, Gilbert H. 727 S. Crescent Ave.
Bernstein, Louis Fisher Indianapolis, Ind., and 832 Cleveland Ave.
Bowman, Mary Belle 2439 Moerlein Ave.
Brady, Bessie 744 Wayne St.
Brazelton, Hildred 3634 Stettinius Ave.
Bretton, Max 521 Ridgeway Ave.
Breuer, Louise Hamilton Ave., nr. North Bend Rd.
Brown, Ralph 2308 Kemper Lane
Bush, Amelia Lapham 6316 Ridge Ave.
Caplan, Harry Nathaniel Baltimore, Md., and 3445 Wilson Ave.
Chrisman, Irene Louise 3665 Vine St.
Clippinger, Ruth Helen 4412 Erie Ave.
Dalzell, John Wasson (*ELA*) 1753 Brewster Ave.
Darrow, Virginia 10 Virginia Apts.
Donovan, Margaret R. 2606 Euclid Ave.
Driehaus, Elinor Elizabeth 4526 Lucerne Ave.
Elberg, Erma Engel 311 Elland Circle
Elsbach, Fremont A. 3049 Cleinview Ave.
Eversull, Edna Ethel 414 McGregor Ave., Elmwood Place, O.
Fell, Alice (*ELA*) 1434 Pullan Ave.
Ferris, Elma Victoria 2608 Madison Rd.
Fillmore, Annette 3531 Bevis Ave.
Finkelstein, Della Goldsboro, N. C., and 3565 Rosedale Pl.
Gampfer, Nelson Messner 1153 Inglenook Pl.
Gau, Lucille Adele 2525 Gilbert Ave.
Geisler, Sylvia Bertha 463 Riddle Rd.
Gholson, Willa May 2316 Symmes St.
Glazer, Bable Kansas City, Mo., and 335 W. McMillan St.
Gordon, Samuel Henry Portland, Ore., and 29 Haddon Hall
Gregg, Anna Myra 565 Terrace Ave.
Guhman, Helen Marie 148 Woolper Ave.
Hamilton, Margaret Agnes 2306 Norwood Ave., Norwood, O.
Hay, Dorothy 35 Walnut Ave., Wyoming, O.
Hayward, Dorothy 878 Cleveland Ave.
Heis, Christine Catherine 2409 Baltimore Ave.

Hier, Frank 4417 Ashland Ave., Norwood, O.
Hoehne, Viola Katherine 1714 Hewitt Ave.
Hopkins, Robert Gray 77 W. McMillan St.
Huff, Dorothy Marie 3560 Monteith Ave.
Irwin, Clarence Bertrand 6405 Roe St.
Johnen, Louis John 1743 Sycamore St.
Johnstone, Roberta Alexander 2526 May St.
Kennedy, Edward David 104 Mason St.
Kingery, William Ray (*ELA*) 1943 Fairfax Ave.
Koppenhoefer, Hazel Louise 3417 Warsaw Ave.
Krapp, Ruth Lizette 2012 Burnet Ave.
Kreimer, Emma Louise 3407 Cornell Pl.
Kroencke, Edward Joseph Ridge Ave., Pleasant Ridge
Lambkins, Katherine Vivian 414 Park St.
Le Count, Vera Adelia L. 722 Columbia Ave., Newport, Ky.
Le Tendre, Beatrice Malvina 672 Rockdale Ave.
Luebbert, Gladys Morse 589 Terrace Ave.
McIntire, Warren Wallace 2318 Williams Ave., Norwood, O.
Magrish, James 1638 Bruce Ave.
Martin, Gladys (*ELA*) 256 Calhoun St.
Maynard, Julian Louis 6 The Virginia
Meadows, James Batts 605 Overton St., Newport, Ky.
Meyer, Edward Lee 143 Wildwood Ave.
Meyers, Philip Mitchell (*CC*) 1518 St. Leger Pl.
Morton, Lena Beatrice 616 Barr St.
Myers, Alfarata 875 Hutchins Ave.
Nathan, David Solomon 338 Erkenbrecher Ave.
Newman, Edward Laurence 4321 Floral Ave., Norwood, O.
O'Connell, Mary Ruth 627 Hawthorne Ave.
Parker, Charles Stanton 308 Melish Ave.
Pfleger, Edna 218 Erkenbrecker Ave.
Pichel, Joseph Loth 360 Northern Ave.
Pochat, Louis Carl 4228 Floral Ave., Norwood, O.
Poos, Gretchen Erna (*ELA*) 445 Riddle Rd.
Pressler, Wilma M. 220 Lyon St
Reichert, Madeleine Neumann New York City, and 39 W. McMillan St.
Rich, Carl West (*ELA*) 1358 Cryer Ave.
Richardson, Viola Irene 2929 Gilbert Ave.
Richey, Eliza Dorothy 3017 Marshall Ave.
Ritchie, Dora Gray 203 Burns Ave., Wyoming, O.
Roberts, Elizabeth Isabelle 3054 Woodburn Ave.
Roedter, Charlotte 36 E. Hollister St.
Rosenbaum, Irwin Seymour (*ELA*) 960 Burton Ave.
Sachtelben, Marguerite (*ELA*) 2718 Cleinview Ave.
Scheiffele, Margaretha F. 2344 Chickasaw St.
Schmidt, Milton Henry (*CC*) 3122 Harvard Ave.
Schostak, Louis Henry 251 Ehrman Ave.
Scott, Harold Guy Don 766 Whittier St.
Scott, Wylmer Leon Milford, O.
Seaman, Isabella Mary 4216 Floral Ave., Norwood, O.
Segal, Eugene 852 Blair Ave.
Shank, Clifford Everett 54 Linden Ave., Dayton, O.
Shumard, Lucile Milford, O.
Sigler, Miriam Dorland 187 Woolper Ave.
Stevens, Mary Charlotte The Senator Apts.
Stewart, Helen Serena (*ELA*) 1540 Madison Ave., Covington, Ky.
Stewart, Marjorie 2918 Urwiler Ave.

Storrs, Helen 3 Ft. Thomas Ave., Ft. Thomas, Ky.
Struble, Ellen Jessup 3639 Ault Park Rd.
Stump, Myrtle Marie 576 Delta Ave.
Tebbenhoff, Florence Imogen 1931 Bigelow St.
Townsend, John Harrison 2305 Park Ave., Norwood, O.
Tucker, Elizabeth Estelle 3117 Harvard Ave.
Turpin, Virginia 3661 Heekin Ave.
Urich, Morris Milwaukee Wis., and 2346 Ohio Ave.
Vandervort, Dorothy Louise Loveland, O.
Van Pelt, Cyrus Pearne 5843 Hamilton Ave.
Van Winkle, Eva Corrinn 2231 Reading Rd.
Voss, Sylvia 3396 Bishop St.
Wager, Imogene Constance 3312 Columbia Ave.
Walls, James Robert 4312 Watterson Ave.
Wasmer, Alice Eleonora 1730 Pell Pl.
Weinberger, Evelyn 867 Hutchins Ave.
Whitaker, Lee Naomi 4419 Carnation Ave.
Withrow, Katherine 921 Rogers Pl.
Wydman, Byron H. 2976 Springer Ave.

Sophomores

Adams, Carl Bruno 2133 Vine St.
Applegate, Julia Lee 266 Senator Pl.
Arnold, James H. Lebanon, O., and 30 St. Clair St.
Baldridge, Winona Wanda 2701 Jefferson Ave.
Barnett, Dorothy French 4249 Langland Ave.
Beiderwelle, Helen Emma 2537 Homestead Pl.
Benton, Estelle Conservatory of Music
Benus, Frank Alonzo 360 Resor Ave.
Beutel, Lester 224 E. Clifton Ave.
Blair, Jacob Jackson Middletown, O., and 140 W. University Ave.
Blair, Mary Isabelle 3604 Vine St.
Boebinger, Miriam Jay 2521 Ritchie Ave.
Borreson, Estella Josephine 4711 Burnet Ave., St. Bernard, O.
Bowen, Joseph Andrew (*ELA*) 25 E. 2d St., Newport, Ky.
Box, Virginia A l'Aise Apts.
Budke, Helen Marie 3819 Carrie Ave.
Burk, Hazel Corene 742 Hawthorne Ave.
Charni, Arthur Lowe Brookville, Ind., and 2617 University Ct.
Chisholm, David Breneman 4603 Glenshade Ave.
Cocrel, William Arthur 6205 Desmond St.
Connor, Helen Glasgow 12 Forest Glen Apts.
Copperman, Sol Cleveland, O., and 338 Albany Ave.
Cornell, Josiah Hart 2542 Moorman Ave.
Cowdrey, George Clair (*ELA*) 1810 Young St.
Craig, Palmer H. 3397 Glenmore Ave.
Crane, Josephine Everette 211 W. 71st St.
Custer, Bernice B. 221 Grant St.
Dail, Helen Carolyn 202 Greendale Ave.
Day, Dorothy M. Knorr and Bickel Sts.
DeCamp, Corinne 259 Kearney Ave.
Deeter, Don Favorite 46 Lakewood Ave.
Dolle, Anita Rose Colerain Pike, Mt. Airy
Donnelly, Margaret Ann 3339 Elland Circle
Downer, Mildred Mary 3722 Woodland Ave.
Duckworth, Helen 126 Ft. Thomas Ave., Ft. Thomas, Ky.

Duncan, Dorothy Virginia 4626 Winona Terrace
English, John Elmer Walton, Ky.
Evans, Beatrice Kahler 180 Woolper Ave.
Farbach, Marion Elizabeth 167 Woolper Ave
Faulhaber, Dorothy Mary 443 E. 3d St.
Fell, Estelle Mary 1434 Pullan Ave.
Fessenden, Willard Blaney 2630 University Ct.
Feuer, Leon Israel Cleveland, O., and 3203 Beresford Ave.
Fillmore, Hannah Lockwood Terrace Park, O.
Fineberg, Howard 3590 Eden Ave.
Fink, Irving Everett (*ELA*) 255 McCormick Pl.
Finke, Mary Elizabeth 419 Resor Ave.
Flannery, Margaret Mary 1712 Madison Rd.
Fleischer, Rosalind E. 839 Lexington Ave.
Forbes, Mary 612 Linden Ave., Newport, Ky.
Francis, Abraham 471 S. Goodman St., Rochester, N. Y.
Fry, Wilfred Buckingham 3678 Kendall Ave.
Gaeb, Howard 2061 Mills Ave., Norwood. O.
Gardner, Herald Gilbert 501 E. Third St.
Geldreich, Paul Walter 6038 Montgomery Rd.
Gillespie, William Pembroke 670 June St.
Gordon, J. N. Currey 316 Garrard St., Covington, Ky.
Gradolf, Dorothy 3783 Millsbrae Ave.
Grant, Ruth Electa 3618 Woodford Rd.
Greenwald, Hyman Tupper 3408 Burnet Ave.
Hall, Alfred Jerome 2713 Alms Pl.
Hall, Margaret Elizabeth Seymour, Ind., and 621 Riddle Rd.
Hambrick, Lucile 2624 Eden Ave.
Hawk, William McClure (*ELA*) Harrison, O.
Helmbold, August Frederick W. 718 Columbia St., Newport, Ky.
Henke, Marie Magdalene Mt. Holly, O., and Clinton and Baymiller Sts.
Hengstenberg, Hugo Herbert 12 E. St. Clair St.
Hensler, Harriett Helen 1059 Pine St.
Heyroth, Francis Farnham 637 Hawthorne Ave.
Higgins, Ruth Margaret (*ELA*) 6731 Lebanon Ave.
Hoffman, Anna Louise 1608 Madison Ave., Covington, Ky.
Hoffman, Helen Louise 3936 Ivanhoe Ave., Norwood, O.
Hogan, Anna Loretta 3429 Riverside Ave.
Holland, William Webster (*ELA*) 1351 Grace Ave.
Huber, Marion Henry 757 Purcell Ave.
Hueneke, Charles Albert 1318 Main St.
Hultz, Raymond Freeman Withamsville, O.
Hysan, Helen Mary 213 Oak St.
Isaacs, Asher Delaware and Kasota Aves.
Isler, Lillian Elenore 3820 Floral Ave., Norwood, O.
Jemison, Mary Ruth 2326 Auburn Ave.
Jensen, Harold Charles 3156 Niles Ave.
Keena, John Barr 3425 Dury Ave.
Keslar, Lee B. 712 Maple Ave., Newport, Ky.
Koch, Frank Achert (*CC*) 2403 Highland Ave.
Kramer, Mary Virginia 1055 Wilstach St.
Krieger, Fannie Eleanor 4804 Whetsel Ave.
Kronman, Harry Lincoln New York City, and 3590 Eden Ave.
Kruse, Katheryn Elizabeth 4 The Lakeview
Kunz, Walter Bramble 3423 Knott Ave.
Langdon, Elizabeth I. (*ELA*) 4003 Rose Hill Ave.
Lauterbach, Ethel 826 Hutchins Ave.

Layne, Porter Campbell Ashland, Ky., and 443 Riddle Rd.
Leary, Jeremiah Arthur 2600 Observatory Ave.
Leming, Georgia Sta. C., Cincinnati
LeTendre, Odevina Cecelia 672 Rockdale Ave.
Levine, Maurice 828 Cleveland Ave.
Levine, Tillie 913 Blair Ave.
McGregor, Ruth Eleanor 3525 Shaw Ave.
McKibben, Ethel Marie The General Hospital
Manss, Helene Bunten 2724 W. McMicken Ave.
Marinaro, Alfred 238 Hunterdon St., Newark, N. J.
Martin, Louis Frank 906 Clinton St.
Martin, Rosemary 2924 Gilbert Ave.
Marvin, Warren King 6169 Ridge Ave.
Mathews, Grace Elizabeth Dale Ave., Bond Hill
Mayer, Dorothy 641 Crown St.
Meier, Ivy Lenora Batavia, O., and 911 Marion Ave.
Merkle, Florence Edith 3522 Stettinius Ave.
Merriman, Gaylord Maish 607 Main St., Elmwood Place, O.
Merry, Charles Edgar 3035 Clifton Ave.
Metz, Agnes Louise 1631 Race St.
Metz, Muriel Lenora 1631 Race St.
Metzger, Howard Edward 354 Thrall Ave.
Miller, Gordon Barrett 3435 Cornell Pl.
Miller, Reland 3515 Michigan Ave.
Monger, Herschel Harold (*CC*) 1014 Locust St.
Monro, Dorothy Grace 6430 Ridge Ave.
Moore, Paul D. 3203 Harvey Ave.
Moorman, Clinton R. 2916 Monfort St.
Morgan, Bernice E. 12 Senator Apts.
Nash, Grace 505 Melish Ave.
Neufarth, Mary H. Mt. Healthy, O.
Nickerson, Mary Louise 10 Bella Vista Pl.
Nichols, Margaret Brown Batavia, O., and 215 Gilman St.
Niland, Marie Rose 3949 Regent Ave., Norwood, O.
Nocka, John Henry Elmer 3619 Vineyard Pl.
Oxley, George Leonard 728 W. 7th St.
Paddack, Alma 626 Hawthorne Ave.
Paddack, Edith Frances 559 Purcell Ave.
Pease, Eleanor Boyd 841 Ridgeway Ave.
Peaslee, Marie Marcella 1701 Sycamore St.
Pichel, Charles Hodges 233 Goodman St.
Pinsky, Abe 3348 Burnet Ave.
Porter, William Lee 3321 Carthage Ave.
Powell, Minerva Anna Shackleford Bivouac Pl., Ft. Thomas, Ky.
Price, William Sylvester Loveland, O.
Rabenstein, Helen Christine 218 William St., Lockland, O.
Reps, Dewey H. 5340 Madison Rd.
Robbins, Samuel Leonard Cleveland, O., and 3550 Newton Ave.
Rogers, George William Petersburg, Ky., and 2300 Rohs St.
Rohdenburg, William Herman 1749 Sherman Ave., Norwood, O.
Rueckert, Greta Helen 2718 Vine St.
Sachs, Dorothy Lillian 875 Glenwood Ave.
Sanders, Harriette Elizabeth 3555 St. Charles Pl.
Schiel, Helen Jane 3615 Middleton Ave.
Schulze, Else Louise 4008 Floral Ave., Norwood, O.
Schwertman, Arthur John 1909 Madison Ave., Covington, Ky.
Scobie, Robert Hughes Winchester, Ky., and 118 E. 15th St., Covington, Ky.

Seinsheimer, Frank 2 Greenwood Ct
Sellards, Horace Warnock 2515 Ohio Ave.
Settle, Edwin Theodore 1923 Scott St., Covington, Ky.
Shrader, Frances Elizabeth 1845 Josephine St.
Shrader, Karolyn Ann 1845 Josephine St.
Silverman, Rosalind Anne 3 Vernondale Apts.
Simon, Stanley David Paducah, Ky., and 427 Rockdale Ave.
Sisson, Margaret 2551 Homestead Pl.
Smith, Angy Ardath 4833 Hamilton Ave.
Snyder, Mildred Frances 6165 Ridge Ave.
Stacy, Mary Louise 17 Riverside Parkway, Ft. Thomas, Ky.
Stein, Simon Shea 521 Ridgeway Ave.
Stiebel, Louise Theodora 787 Greenwood Ave.
Sunderman, Leona L. (*ELA*) 210 Lyon St.
Sutherland, Alan Moore (*CC*) 22 Burns Ave., Wyoming, O.
Taxey, Joseph 335 W. McMillan St.
Timmich, Theodore Frederick 547 Camden Ave.
Viduya, Marcelino Tavaris Philippine Islands, and 245 McMillan St.
Wachs, William Carl 235 Hosea Ave.
Weaver, Cleon Izilleh 2611 Roseland Ave.
Weber, Helen Lilian 388 Terrace Ave.
Weber, Robert Karl 2826 Observatory Ave.
Weidig, Grace Leonore 3754 Beekman St.
Wendel, Arthur William 142 E. McMicken Ave.
Werner, Elmer Edgar (*ELA*) 3909 Borden St.
Whitacre, Helen Alene 3752 Kenilworth Pl.
Winsor, Carlton Webb Grand Rapids, Mich., and 140 W. University Ave.
Wise, Joseph Ludwig 3128 Fairfield Ave.
Wolfson, Erwin Service 674 S. Crescent Ave.
Woods, Kathryn Angela 1413 Freeman Ave.
Wright, Geneva Alderetta 3160 Mozart St.
Wright, Kathryn Elizabeth 811 Lincoln Ave.

Freshmen

Adkins, Marcia Lee 12 Virginia Apts.
Albiez, Jeanette Louise 6503 Glenn Ave., Kennedy Heights
Alexander, William Wallace 312 Burns Ave., Wyoming, O.
Alf, Mary Magdalene 2533 Erie Ave.
Allison, Helen Marjorie 1780 Taft Rd.
Anschutz, M. Stewart 1633 Lincoln Ave.
Appel, Ruth Phyllis 624 Rockdale Ave.
Arnovitz, Herman 615 E. 3d St., Middletown, O.
Atkins, Dorothy Pearce 3430 Burch Ave.
Aue, Lester Allen 2743 W. Sixth St.
Bachman, Nathan Dulaney 2326 East Hill Ave.
Bader, Ferdinand Christian 1256 Bates Ave.
Bahman, Emmaleah 1718 Larch Ave.
Bahman, Laurabelle 1718 Larch Ave.
Baily, Oliver Satterthwaite 919 Avondale Ave.
Ballard, Mary Peyton 520 Montgomery St., Covington, Ky.
Beck, Dorothy 1309 Laidlaw Ave.
Becker, Dorothy Anna 3148 Daytona Ave.
Beddoe, Donald Theophilus 2540 Highland Ave.
Beidler, Jeanne Eloise 6720 Lower River Rd.
Beirne, Tressa 2635 Melrose Ave.
Bernewitz, Emma Anna 330 Crestline Ave.

Bertermann, Helen Anne 1339 Cryer Ave.
Biltz, Stuart Goslin 3 Park Pl.
Biltz, Robert Lincoln 3 Park Pl.
Black, Herbert 3368 Morrison Ave.
Bloomhuff, Verda Lucille Bellevue, Ky.
Bound, Mildred Lucile 2066 Sutton Ave.
Bowdle, Virginia Lee 900 Lafayette Ave.
Bradtmueller, Howard William 3855 Zinsle Ave.
Brickel, Frances E. 4832 Paddack Rd.
Brink, Evelyn Matilda 2862 Victoria Ave.
Brockman, Gertrude Dolores 514 Riddle Rd.
Broker, Henry Walter 2622 Hackberry St.
Bromberg, Walter Brooklyn, N. Y., and 905 Blair Ave.
Brunk, Lillie Ethel Huntington, W. Va., and 440 Ludlow Ave.
Bryant, Benjamin Louis 3141 Bishop St.
Burchenal, William Glendale, O.
Burger, Adelaide Louise 3570 Mooney Ave.
Bywater, Ruth Catherine 2918 Werk Rd.
Calkins, Elizabeth 1339 Paxton Rd.
Cameron, Jessie Louise Drake Ave., Indian Hill, O.
Christy, Donald 3579 Paxton Rd.
Cloud, Grace Virginia 508 Greenup St., Covington, Ky.
Coffin, Robert Edward 1032 Russell Ave., Covington, Ky.
Colson, Dorothy Eloyse 3 W. St. Clair St.
Colyer, Elsie Gladys 1490 State Ave.
Covy, Norbert Jerome 35 Landon Court
Crolley, Benjamin Franklin 1318 Race St.
Crone, Eleanor Marie 1261 First Ave.
Culley, Raymond Grant Cameron, W. Va., and 2513 Auburn Ave.
Currey, Ruth Clifford 3644 Michigan Ave.
Davis, David Charles Greenville, Miss., and 880 Cleveland Ave.
Davis, Laura Perry 2207 Scott St., Covington, Ky.
Davis, Willina Hampton 945 Betts St.
Dawson, Charlotte 3532 Wabash Ave.
De Armond, Dorothy 4778 Eastern Ave.
DeBeck, Dorothy Linn 1850 Kinney Ave.
DeCamp, John Philip 169 Kinsey Ave.
Deddens, Joseph George 4745 Glenway Ave.
DeKoven, Seymour Ralph Chicago, Ill., and Hebrew Union College
Dell, Ethel Stella 3762 Andrew Ave.
Denison, Margaret Henriette 3154 Harvey Ave.
Deubel, Harry Francis 425 S. 13th St., Hamilton, O.
Dillard, Charles Elmer 750 W. 5th St.
Donnelly, Irene Cecelia 3339 Elland Circle
Dorfman, Bernard Mortimer Cleveland, O., and 1213 Locust St.
Drach, Burton Louis 2200 Auburn Ave.
Draper, Isabelle 3740 Clifton Ave.
Dresbach, Howard Thomas 255 Hosea Ave.
Dulaney, Malcolm Elbert Cincinnati Country Club
Duley, Marian F. 4141 Floral Ave., Norwood, O.
Dunham, Richard Edward 54 E. McMillan St.
Dyer, Frances M. 3437 Burch Ave.
Eaton, Maryevelyn Proctorville, O., and 2326 Auburn Ave.
Edmonston, Dorothy (*ELA*) 460 Crestline Ave.
Edwards, Gladys Lorayn 15 Ft. Thomas Ave., Ft. Thomas, Ky.
Ehrnsberger, Pauline 79 Highland Ave., Ft. Thomas, Ky.
Ellis, Selma Freda 6121 Woodmont Ave.

Elsbach, Edna 3049 Cleinview Ave.
Ely, Sue 1508 Dixmont Ave.
Emig, Katherine Alice 32 Conklin St.
Englander, Milton 550 Hale Ave.
Esserman, Hyman Rome, Ga., and Sayler Park Sta.
Evans, Benjamin Davison 6451 Grandvista Ave.
Fabing, Esther Catherine 324 Hearne Ave.
Fagaly, William J. 240 Short St., Lawrenceburg, Ind.
Falk, Gustave Ferdinand New Orleans, La., and 557 Blair Ave.
Feinberg, David Leonard Bellaire, O., and 569 Hale Ave.
Fennekohl, Mildred May 3649 Paxton Rd.
Fine, Jennie 512 Clinton St.
Fisher, Katherine Betty 2595 Observatory Rd.
Flannery, John Joseph 1712 Madison Rd.
Flax, Sarah 875 Lexington Ave.
Flinn, Norbert McClure 4311 Montgomery Rd., Norwood, O.
Flint, Kenneth William Oxford, O., and 331 Straight St.
Flynn, Joseph James 1079 Grand Ave.
Foertmeyer, Alma Grace 3562 Shaw Ave.
Freeman, Louis G. 3020 Observatory Rd
Freese, Ralph 501 E. Third St.
Friedman, Rose 3592 Wilson Ave.
Fry, Clarine 3030 Observatory Rd.
Fuller, James Tufts Mayfield, Ky., and Central Y. M. C. A.
Fullerton, Hobart Rardin Greenup, Ky., and 2667 Highland Ave.
Gabriel, Lewis Miller Piqua, O., and 150 W. McMillan St.
Gaines, Helen May 4531 Smith Rd., Norwood, O.
Galbreath, Kathrine 1231 E. McMillan St.
Gale, Rose 1349 Locust St.
Gano, Dorothea McLain 258 Ludlow Ave.
Gano, Elinor McLain 258 Ludlow Ave.
Garfunkle, Louise Agnes 23 North Roslyn Apts.
Garretson, Jean Channing 3433 Berry Ave.
Garver, Wesley Wendell 4835 Sheffield Ave.
Geoghegan, Marian McDuffie 820 Mt. Hope Rd.
Gibson, Robert Howard 971 Lennox Pl.
Glazer, Aubrey 335 W. McMillan St.
Goetz, John Paul New Albany, Ind., and 2831 Scioto St.
Goldberg, Harry 952 Mansion Pl.
Gomien, Stanley Albert Newton, O.
Graham, Paul Judson 821 Mt. Hope Rd.
Grear, Manjonita 4206 S. Whetsel Ave.
Greenwald, Milton Louisville, Ky., and 832 Cleveland Ave.
Gregg, Foss Hunter Bainbridge, O.
Greve, Cherry 530 Maxwell Ave.
Greve, Theodore 530 Maxwell Ave.
Gross, Gordel Grodsky (*ELA*) 824 Windham Ave.
Grute, Ruth Kinnear Brookline Apts.
Hall, Clair Shively 835 Blair Ave.
Hanlon, Florence Cecelia 15 Linden Ave., Ft. Thomas, Ky
Harbeson, Anna Fredericka Maysville, Ky., and 266 Senator Pl.
Hartnagel, Arthur C. 2409 Kemper Lane
Hauck, Elise Louise 935 Dayton St.
Henry, Harley Elmer 2623 Beekman St.
Hebble, Howard 1319 Duncan Ave.
Heekin, James R. 2500 Auburn Ave.
Heile, Edward G. 715 Bakewell St., Covington, Ky.

Henderson, Jane Elizabeth 108 Mason St.
Hess, Elmer Louis 4129 Carter St., Norwood, O.
Hill, Alfred R. 1846 Auburn Ave.
Hiller, Minerva Genevieve Sullivan Apts.
Hobbs, Virginia Ann 2207 Cameron Ave., Norwood, O.
Hoffman, Thekla A. 2715 Reading Rd.
Holle, Muriel Dorothy Madison Ave., Mt. Healthy, O.
Holliday, Martha Rebecca 3726 Dirr St.
Hollman, Dorothy McKinley 114 W. 70th St.
Holman, Elizabeth Lloyd No. 9 Cumberland Apts.
Holmer, Oscar P. (*ELA*) 3201 Beresford Ave.
Horner, Albert Aaron 109 Malvern Pl.
Houston, James LeRoy Sharonville, O.
Hoy, Carson Mt. Healthy, O.
Humlong, Anne Elizabeth Germantown, Ky., and 266 Senator Pl.
Irwin, Leslie Gaskill 6405 Roe St.
Jacobs, Estelle Ruth 836 Blair Ave.
James, Lillian E. 1810 Young St.
Jones, Anna Mathilda 2817 Erie Ave.
Jones, George (*ELA*) 2120 Pogue Ave.
Jones, Mabel Ruth 4008 S. Madison Ave., Norwood, O.
Kahn, Lawrence Earl Broh 805 Hutchins Ave.
Keck, Virginia Adele 891 Lexington Ave.
Kemp, John Madden (*ELA*) A l'Aise Bldg.
Kemp, Miriam Ruth 5166 Broermann Ave., St. Bernard, O.
Kent, Ruth 5449 Hamilton Ave.
Kercheval, John Marine 651 Probasco St.
Kieffer, Olivia Pearl Cotterill 15 E. 7th St.
Kipp, Mildred Elizabeth 833 Hutchins Ave.
Kloak, Gladys Jeanette 3946 Pattison Ave.
Knauber, Amy 3331 Arrow Ave.
Koch, Carl Allinger 3011 Bathgate St.
Koch, Helen Dorothy 3011 Bathgate St.
Koch, Edwin Ferdinand 3606 Michigan Ave.
Kochman, Fanny Cleveland, O., and 18 Calhoun St.
Kramer, George Celina, O., and Fenwick Club
Kuen, Ruth Marie 3020 Temple Ave.
Kuntz, Mabel Caroline 1141 Herschell Ave.
Kuntz, Verna Emma 1141 Herschell Ave.
Kunz, Mary Elizabeth 3423 Knott Ave.
Laile, Elsie Laura Charlotte 210 W. McMillan St.
Lawyer, Edmund Burke Harrison O., and 2507 Auburn Ave.
Lay, Paul Adkins 3810 Millsbrae Ave.
LeBlond, Eleanor 1260 Michigan Ave
LeFebre, Howard Augustus (*ELA*) 3129 Paxton Rd
Lentz, Ethel Mae 48 Graham St.
Levy, Lewis Charleston, W. Va., and 3588 Bogart Ave.
Lewis, Maxwell Pelton 2210 St. James Ave.
Lewis, Virginia Elizabeth 2714 Hampshire Ave.
Linneman, Joseph Henry 1333 Greenup St., Covington, Ky.
Littel, Corinne Middletown, O., and 2925 Woodburn Ave.
Lloyd, Thomas Sibley Terrace Park, O.
Lobitz, Pearl Hedwick 2559 University Court
Locke, Christopher 2107 St. James Ave.
Lohrer, Florence Louise 118 E. McMillan St.
Loofbourow, J. R. (*ELA*) 2 Norwood National Bank Bldg., Norwood, O.
Lynch, Margaret Katherine 48 Hollister St.

Lytle, Harold Bredwell 2064 Eastern Ave.
McBreen, Virginia Helen 3315 Jefferson Ave.
McCarthy, Elizabeth Catherine 2922 Cleinview Ave.
McCassy, Mary Louise 3634 Reading Rd.
McClure, Homer Wakefield Harrison, O., and 2507 Auburn Ave.
McClure, John Wilson 54 Ft. Thomas Ave., Ft. Thomas, Ky.
McDevitt, Rosemary 541 Hale Ave.
McElroy, Whitney 2901 Erie Ave.
McGowan, Elizabeth Kemper 2345 Upland Pl.
McGrane, Lenore Foote 236 Loraine Ave.
McKinley, Margaret Martha 824 Beecher St.
McLeod, Ivan Cox 1349 Lincoln Ave.
Maish, Ellwood Alfred 28 E. McMillan St.
Marohn, Olga Jeanette 515 Milton St.
Marshall, Charles Lee 6614 Kennedy Ave.
Martin, Kent Edwin 3353 Cheviot Ave.
Martin, Loyal Stewart 3353 Cheviot Ave.
Maveety, Herman Matthew 5632 Bramble Ave.
Mayer, Virginia 641 Crown St.
Meakin, Sarah Amy 3316 Fairfield Ave.
Mehle, Ruth Helen 2120 Grandview Ave., Bellevue, Ky.
Melvin, William Ehrbeson Ironton, O., and 120 Garfield Pl.
Meyers, Vera H. 448 Hillside Ave., Lockland, O.
Mikesell, Hobart Ludlow Chillicothe, O., and 1105 Elm St.
Miller, Gertrude Emily 523 Evanswood Pl.
Miller, James Benna 8414 Dixie Ave.
Mills, Stanley Sterling Grand Hotel
Minix, Herman Leite Box 234, Madisonville, O.
Morgan, Chester A. Van Wert, O., and 9 E. Rochelle St.
Morgenstern, Sam 520 Hickman St.
Morris, Lillian Elizabeth 2910 Montana Ave.
Murphy, Tom Herbert Mt. Healthy, O.
Myers, Mary Olivia 819 Elberon Ave.
Nathan, Mildred 338 Albany Ave.
Neumark, Martha 236 Rockdale Ave.
Niesen, Leonard Marion 523 E. Liberty St.
Norris, Florence Edith 2915 Eggers Pl.
Oberly, Francis Clark 659 Nelson Pl., Newport, Ky.
O'Neal, Lavenia 115 W. 33d St., Covington, Ky.
O'Neil, Norine 2310 Rohs St.
Odom, Young Smythe Donalsonville, O., and 739 W. 5th St.
Ortner, Lillie Belle 306 Sycamore St.
Owens, Jeannette Elizabeth 636 E. 3rd St., Newport, Ky.
Owens, Tracy Clifton 2340 Rohs St.
Palmer, George Michael Montgomery City, Mo., and 2437 Clifton Ave.
Pape, John Wesley 2861 Harrison Ave.
Pardick, Clarrissa May 426 Straight St.
Parker, Julia Grace 300 E. Mitchell Ave.
Pattengall, Robert E. 911 John St.
Pauli, Helen Bertha 428 Evanswood Pl.
Perry, Eleanore 12 Blue Grass Ave., Ft. Thomas, Ky.
Phillips, Eleanor Ruth 643 Lexington Ave., Newport, Ky.
Pichel, Edmund 3107 Harvey Ave.
Pichel, Kathryn Drucker 360 Northern Ave
Pickelheimer, Gladys Marie 3923 Grove Ave., Norwood, O.
Porter, Katherine Cook 6918 Longview Ave.
Posner, Charles 1354 Burdette Ave.

Pottschmidt, Carl William 3472 Cheviot Ave.
Prather, Frederick Ramsey Tucson, Ariz., and 3136 Willis Ave.
Price, John Evan 3763 Andrews Ave.
Price, Leila Marie 5923 Woodmond Ave
Purcell, Alton Earl 1808 Walker Ave.
Raper, Gladys 5512 Main Ave.
Raps, George Christian Hamilton, O., and 2122 St. James Ave.
Rauch, Katherine Antonette 3636 Michigan Ave.
Regner, Sidney Lawrence Rochester, N. Y., and 557 Blair Ave.
Renner, George (*A B*) 2453 Clybourne Pl.
Richardson, Emily Glendale, O.
Rigg, Janet Wayne 852 Lincoln Ave.
Robertson, Thomas Albert 1621 Holman Ave., Covington, Ky.
Rogers, Hualpha Petersburg, Ky.
Rose, John Kreimer 2711 Observatory Ave.
Rosenbaum, Leona Miller 833 Mitchell Ave.
Rosensweig, Sylvia 3565 Rosedale Ave.
Rosenthal, Amy Teresa 990 Dana Ave.
Ross, Donald Keiser 3434 Herschell Ave.
Roth, Florence Jean 2719 Hampshire Ave.
Roth, Herschell Charles 607 E. 4th St., Newport, Ky.
Roudebush, Ruth 33 Ridge Ave., Ft. Mitchell, Ky.
Rutherford, Agnes Louisa 2326 Auburn Ave.
Rutledge, Pauline 66 St. Leger Apts.
Ryeburn, Verna Ruth 271 Gilman Ave.
Sadlier, John Francis 3158 Jefferson Ave.
Sampson, Charles Nield 242 Albion Pl.
Sanders, Goldie 827 Lexington Ave.
Sauer, Janet Lucile 5767 Whitney Ave
Scarborough, Celia Jane 4846 Paddack Rd.
Schawe, Aria Parke 3454 Whitfield Ave.
Scheper, Margaret Agnes 2405 W. McMicken Ave.
Schepman, Grace Charlotte 5403 Ravenna St.
Schiff, Helen Grace 844 Betts St.
Schleitzer, Carl Nash 4518 Whetsel Ave.
Schmid, Cora Elizabeth 474 Considine Ave.
Schmid, Mildred Dorothea 725 Wyoming Ave., Lockland, O.
Schneider, Kathryn Louise Foley Rd.
Schwartz, Alberta 518 Evanswood Pl.
Schwenkmeyer, Anna Frieda 1674 Pullan Ave.
Schuchert, Alice Rose 3937 Regent Ave., Norwood, O.
Scott, Emily Cilley 2932 Urwiler Ave.
Scott, Marguerite Louise Briarcliffe, Ft. Thomas, Ky.
Secrest, Paul Dean 701 N. 11th St., Cambridge, O.
Seibel, Mary 1318 Carolina Ave.
Seilkop, Eileen 2932 Minot Ave.
Semple, Harry Devens 3631 Beechmont Ave.
Sheppard, Elizabeth Iola 344 Wood Ave.
Shoemaker, Helen Elizabeth 3437 Mooney Ave.
Shohl, Florence 32 Landon Court
Shorten, Charlotte Rebecca 309 E. 3d St., Newport, Ky.
Siehl, Elmer Frederick 1633 Otte Ave.
Smith, Dorothea Viola 1810 Young St.
Specter, Josephine Constance 315 E. 3rd St., Newport, Ky.
Spicker, Richard Frederick 15 San Carlos Apts.
Spilman, Eulalie Fee 3612 Vine St.
Spraul, Caroline 29 Ferndale St.

Stein, Harry 3203 Beresford Ave.
Stephens, Helen Marie 3105 Murdock Ave.
Stephenson, Roger Victor 351 Resor Ave.
Stevens, Walter Bonfoey 3627 Edwards Rd.
Stilwell, Catherine Favour 846 E. Ridgeway Ave.
Stilwell, Helen Remington 846 E. Ridgeway Ave.
Stuart, Douglas McLean 2107 Auburn Ave.
Stump, Vernon Caradine 1810 Young St.
Sudhoff, Cora Louise 3405 Clifton Ave.
Sullivan, William Walter 2315 Krouse Ave.
Taylor, Mary Betty 1342 Lincoln Ave.
Terrill, Margaret Louise 2213 Greenup St., Covington, Ky.
Thrasher, Allen Wade 1955 Madison Rd.
Threlkeld, Margaret 20 Blue Grass Ave., Ft. Thomas, Ky.
Thurston, Grant Lekenzie 614 Linden Ave., Newport, Ky.
Tobin, Lucretia Margaret 5819 Kinall Ave.
Todd, Frederick Clifford (*CC*) 4920 Stewart Pl.
Todd, Francis West 533 Hale Ave.
Todd, William Robert 533 Hale Ave.
Truesdell, William Granville Ft. Thomas, Ky.
Tull, James Theron 1230 Hopple St.
Turner, Mary Fugua 1049 Purcell Ave.
Tuttle, Katherine Lee 3980 Rose Hill Ave.
Twitchell, Henry 845 Dayton St.
Uller, Brunnhilde 3917 Sachem Ave.
Vearil, Cassius Albert 6616 Roe St.
Verhage, Robert H. 36 Verona Apts.
Wager, Marie Louise 3312 Columbia Ave.
Walker, Breta Adelaide 3240 Beresford Ave.
Watkins, Willard Merrill 4338 Eastern Ave.
Warren, Harold Alfred 3242 Boudinot Ave.
Waters, Mildred Marion 4119 31st St., Oakley
Weller, George Joseph Annas 1314 Main St.
Wells, Elizabeth Ewing 238 Donahue St.
Wendel, Carl Henry 18 E. McMillan St.
Wertheimer, Jean 3487 Harvey Ave.
West, Roberta 969 Marion Ave.
West, Thelma Birgetta Bethel, O., and Knorr and Bickel Aves.
Wharton, Dorothea Cecelia Rugby, England, and 3826 Spencer Ave., Norwood, O.
Wigisser, Abraham S. Jerusalem, Palestine, and 634 Court St.
Williams, Anna Bernice 3540 Mooney Ave.
Williams, Ruth Elizabeth 3934 S. Jefferson Ave., Norwood, O.
Wilson, Nancy Josephine 301 Albany Ave.
Winston, Hazel R. F. D. No. 3, Latonia, Ky.
Wolfstein, Isabelle Margery 2741 Observatory Rd.
Woll, Analda Ida 5627 Bramble Ave.
Yalen, Eleanora 2253 Spring Grove Ave.
Young, William Rowlett 2543 Ingleside Pl.

Irregular Students

Birch, Mabel Hubbard 1628 Elkton Pl.
Crumpler, Maude Virginia Magnolia, Ark., and Conservatory of Music
Dryer, Emily 4040 Beechwood Ave.
Ely, Forrest Edwin Batavia, O., and 308 Melish Ave.
Fenton, Anna Louise 3994 Rose Hill Ave.

Hopple, Anna Hall 324 Beech Ave., Wyoming, O.
Parker, Loretta 2153 Slane Ave., Norwood, O.
Prickett, Margery Marie Fayette, O., and Nurses' Home
Ranson, Russell 2208 Greenup St., Covington, Ky.
Schaefer, Pauline 625 Crown St.
Scobie, Ruth Ann 205 Elm Ave., Wyoming, O.
Victor, Hortense Brucker St. Marys, O., and Conservatory of Music
Wells, Roger Lewis Indianapolis, Ind., and 622 Epworth Ave.
Zacharias, William Carl Brookville, Ind., and Clifton and Ludlow Aves.

Special Students

Aaronsohn, Michael Baltimore, Md., and 857 Rockdale Ave.
Alexander, Elizabeth Margaret 1721 Race St.
Allen, Carl Beaty L. B. Harrison Hotel
Babbitt, Mary Anne 901 Summit Ave.
Bengert, Mrs. E. P. 2344 Ohio Ave.
Birt, Charles Joseph 1208 Grace Ave.
Bowen, Gertrude K. (Mrs. B. C.) 2215 Slane Ave., Norwood, O.
Briggs, Dorothy Holmes Toledo, O., and 3840 Reading Rd.
Brilmayer, Robert Chambers Milford, O.
Brown, Martina (*ELA*) 811 Freeman Ave.
Burbank, Nelson 3017 Verdin Rd.
Buttenweiser, Ellen 252 Loraine Ave.
Carroll, Kathryn F. (*ELA*) Deaconess Hospital
Case, Lawrence LeRoy 4020 Elsmere Ave., Norwood, O.
Clark, Marjory Nurses' Home, General Hospital
Crawford, Margaret Haskins 3544 Wabash Ave.
Crone, John Anthony (*ELA*) 1261 First Ave.
Daugherty, Frank Adams Walton, Ky.
Decker, Max Gray Tarpon Springs, Fla., and 2356 Clifton Ave.
Denbo, John Stanley 1809 Young St.
Dinnie, George 2010 Colerain Ave.
Englander, Goldie Mae 3329 Harvey Ave.
Dolle, Eleanor Brigel Mt. Airy
Farnsworth, Marion Cathryn 2543 Sheridan Drive, Norwood, O.
Fay, Thomas G. 4220 30th Ave.
Figley, Evelyn Canton, O., and 2818 Highland Ave.
Edwards, George Samuel Mt. Vernon, Ky., and Latonia Sta., Covington, Ky.
Finkelman, Ethel 521 Carplin Pl.
Flannery, Richard 1712 Madison Rd.
Freeman, Helen (*ELA*) Cambridge, Mass., and Ft. Mitchell, Ky.
Gainsburgh, Dorothy Homan New York City, and 2334 Ashland Ave.
Gallagher, Johanna 1885 Madison Rd.
Gifford, Clark McGee 2558 Woodburn Ave.
Goodall, Mary Forker (Mrs. W. R.) 3052 Hackberry St.
Hahn, Mrs. Julius Forest Glenn Apts.
Harris, Anna 571 Blair Ave.
Harting, Ralph Elwood, Ind., and 2382 Wheeler St.
Harvey, William 734 E. Epworth Ave.
Hennings, Emily W. (*CC*) 710 Dixmyth Ave.
Hertenstein, Carl F. (*CC*) 3870 Reading Rd.
Higgins, Roy Piqua, O., and 54 E. McMillan St.
Hilb, Jean Beatrice E. Somerfield Apts.
Hilton, Agnes 2715 Eden Ave.
Hirsch, Viola 319 Hearne Ave.

Howell, Eva Maude Philippi, W. Va., and No. 1 Delmoor Apts.
Hubert, Dorothy Smith 12 Delmoor Apts.
Huebner, Viola Elsie 283 Earnshaw Ave.
Hutzelman, Jacob Casper Sharonville, O.
Jonap, Amy Frederica 770 N. Crescent Ave.
Keating, Sarah Virginia 3576 Mooney Ave.
Kreimer, Mrs. Edna 3439 Zumstein Ave.
Kudell, Earl 2434 Robertson Ave.
Kumler, Alberta 2448 Observatory Rd.
Lehenbauer, Martha (*ELA*) 212 Calhoun St.
Lipman, Mrs. Ernestine (*ELA*) 630 Straight St.
Lobitz, Elsa 3424 Ridgeway Ave.
Loftus, Julia 4304 32d St.
McConnell, Mildred Chandler (*ELA*) Mt. Olivet, Ky., and Deaconess Hospital
Markowitz, Samuel Harrison Central Y. M. C. A.
Mehas, Lillie 2411 Auburn Ave.
Meighen, J. McK. 1810 Young St.
Merry, Charlotte 3035 Clifton Ave.
Miller, Herbert 98 Washington Terrace
Miller, Oscar W. 3550 Wisconsin Ave.
Morris, Leah (*ELA*) Jackson, Miss., and Conservatory of Music
Mussman, Elsie L. (*ELA*) 1927 Bigelow St.
Owens, Anderson Duguid 636 E. 3rd St., Newport, Ky.
Page, Wilber 3079 Kerper Ave.
Parks, Charlotte L. B. 52 Alexandra Apts.
Persons, Dorothy 2701 Euclid Ave.
Pfaller, Mary M. (*ELA*) 3626 Harrison Ave.
Pichel, Charlotte Reich 360 Northern Ave.
Pinsky, Ben 1369 Rosedale Pl.
Reed, Herrmann (*ELA*) 79 McCracken Ave., Newport, Ky.
Roepken, Carl Louis 1837 Meyer Ave., Norwood, O.
Rogert, Alene Mossmyer 138 Kinsey Ave.
Rosenberg, Ruth C. 577 Hale Ave.
Rosenthal, Nora 203 Albany Ave.
Rowe, Alvin H. (*ELA*) 502 Carplin Pl.
Rowe, Leonard W. (*ELA*) 502 Carplin Pl.
Russell, Margaret Jane (*ELA*) 581 Grand Ave.
Ryan, Royal Winston 1937 S. Auburn Ave.
Schurig, Margaret A. 1526 Lincoln Ave
Sheets, Don 108 11th St., Middletown, O.
Shiels, Mary Alice 565 Elberon Ave.
Smysor, Paul A. Newtonsville, O., and University Ct
Sommers, Martin L. B. Harrison Hotel
Stapp, Darwin Lee Tower Pl., Ft. Thomas, Ky.
Stephan, Mary 4226 Hamilton Ave.
Sullivan, Sarah L. 3230 Beresford Ave.
Taylor, Clara Louise Woodford and Yononte Aves.
Teegarden, Bonnard 48 Rossford Ave., Ft. Thomas, Ky.
Templin, Lorena 545 Lexington Ave., Newport, Ky.
Turberville, Kathleen Farrior Century, Fla., and Conservatory of Music

Tuttle, Katherine Rose Hill Ave.
Unger, Sidney New York City, and 3441 Hallwood Pl.
Wald, Betty Louise 561 Hale Ave.
Watson, William Everett 9th St. Y. M. C. A.
Wente, Emma Helene 2401 Grandview Ave.
Wentworth, Mrs. Mabel Senator Pl.
Wheeler, Julia Wickes Poughkeepsie, N. Y., and General Hospital
Wikoff, Raymond Middletown, O., and 2210 Ohio Ave.
Wilson, Wendell Lyon 4292 Ashland Ave., Norwood, O.
Wurlitzer, Marianne Leonie 2147 Madison Rd.
Wyatt, Mrs. Alice Walker The Abbotsford Apts.
Yoder, Nelle West Liberty, O., and 440 Ludlow Ave.
Young, Maude Orr 2718 Observatory Rd.

Teachers

Aulick, Beulah Elvira 10 Linden Ave., Ft. Thomas, Ky.
Bennett, Omer Hibben (*ELA*) 3822 Davis Ave.
Bennett, Thomas Telford (*ELA*) 3830 Davis Ave.
Berning, Julia Marie 1140 Cedar Ave.
Betts, Alice L. 3307 Stettinius Ave.
Brown, Mildred F. 511 Greenup St., Covington, Ky.
Callahan, Florence M. (*ELA*) 966 Hawthorne Ave.
Conrad, Beatrice C. (*ELA*) 3009 Kerper Ave.
Dewald, Leonore 2335 McMicken Ave.
Foy, Mary (*ELA*) 2917 Eastern Ave.
Grebner, Oscar William 2419 Hudson Ave., Norwood, O.
Harrison, Willa Louise (*ELA*) 4259 Fergus St.
Hartman, Mrs. Edith Tingley 2323 Stratford Ave.
Kelley, Alice (*ELA*) 2305 East Hill Ave.
Levy, Hattie Minnette (*ELA*) 303 Goodman St.
Morris, Clara Mary 6th and Isabella Sts., Newport, Ky.
Rea, C. Lois 431 Greenup St., Covington, Ky.
Stearns, Mary Eva (*ELA*) 1810 Young St.
Struble, Clarence Augustus (*ELA*) R. R. No. 14, Mt. Healthy, O.
Taylor, Harry Edward (*ELA*) R. R. No. 14, Mt. Healthy, O.
Unzicker, Cecelia Elizabeth 3305 Reading Rd.
Whaley, Lettie Sutton 1725 Madison Ave., Covington, Ky.
Wilson, Arthur Laurence (*ELA*) Newton, O.
Wrenn, Mrs. Katherine Gano 1207 Cedar Ave.

EVENING ACADEMIC COURSES

Irregular Students

Abel, Ludwig Christian Box 106, North Bend Rd.
Alexander, Harry 126 Hartwell Ave.
Agger, Max P. 1041 Clark St.
Ashbrook, Robert 2 Hedgerow Lane
Barnette, Mary Rebecca Roanoke, Va., and 241 Hosea Ave.

Barton, Amy Esther 2318 Chickasaw St.
Barton, Ethel Davies 2318 Chickasaw St.
Baus, Helen 2434 Hudson Ave., Norwood, O.
Bear, Henrietta Moore 1315 Meier Ave.
Beinert, Ida Helen 3209 Bishop St.
Bingel, Ella (b.s., 1918) 124 Lyon St.
Blank, Laura (a.b., 1915; a.m., 1916) 3420 Stettinius Ave.
Bloom, Rose 3416 Larona Ave.
Boegli, Charles 3332 Spokane Ave.
Bohl, Ethel Marion 4532 Glenway Ave.
Breckenridge, Hal Woodward 1203 Myrtle Ave.
Breitenbuecher, Hilda 1530 Freeman Ave.
Brestel, Ruth Magdalene 460 Warner St.
Brown, Alice Elaine 3449 Cheviot Ave.
Bucher, Clarence Central Y. M. C. A.
Buchmann, Margaret 120 Piedmont St.
Buchner, Julia Elizabeth 228 E. 10th St , Newport, Ky.
Busch, William Charles 3836 Mt. Vernon Ave.
Claassen, Ella (a.b., 1915) 2723 Scioto St.
Cornell, Mrs. Annette Patton 2542 Moorman Ave.
Crowe, William Lambert Arlington, Ia., and 2048 Auburn Ave.
Davidorf, Ruth 105 Hartwell Ave.
DeCharms, Alice 1628 Bruce Ave.
Deubel, Viola Mathilda 706 W. 7th St.
Dieckman, Alma (a.b., 1915) 2243 Spring Grove Ave.
Diefenbach, Amy Pauline Mayflower Apts.
Dietrich, Mary Catherine Third and Lytle Sts.
Doherty, Cecil Hazel (*N*) Montgomery, O., and The General Hospital
Dolle, Eugenia Mary 141 W. McMillan St.
Earl, Rosa May 6073 Montgomery Rd.
Essel, Alice (b.s., 1919) 140 Mason St.
Essel, Florence 140 Mason St.
Evans, Benjamin 411 Hickory St.
Evans, Edmund Boyce 1215 Elgin Pl.
Ewald, Elsa L. (a.b., 1916) 2612 Fenton Ave.
Feldman, Erna M 1622 Scott St , Covington, Ky.
Ferguson, Anna Luella 2235 Reading Rd.
Freeman, Stella Trinity, Ky., and 2620 May St.
Freericks, Frances Ella 1616 Ruth Ave.
Frey, George John 219 Wade St.
Graebe, Herman Charles (ch.e., 1919) 212 Calhoun St.
Green, Orville Floyd 1803 Young St.
Hadsell, Laura The Westmoreland
Hager, Marie E. 903 Mound St.
Haisch, Helen Mary 913 Vine St.
Harris, Helen Maurey 57 Southgate Ave., Ft. Thomas, Ky.
Harrison, Alice A. 825 Maple Ave., Newport, Ky.
Hart, H. H. W. 828 Hutchins Ave.
Heizer, John L. 2016 Hudson Ave., Norwood, O.
Herman, Edna 321 Overton St., Newport, Ky.
Hibbard, Laura 15 The Madrid
Holdt, Meta (a.b., 1917) Rugby Rd.
Jones, Margaretta A. (a.b., 1917) 4349 Erie Ave.
Jordan, Floyd Dennison Hotel
Kennedy, Mrs. Nora Ely 3229 Gilbert Ave.
Kessing, Louise Anna 4802 Lower River Rd.
Kettenacker, Mrs. Antoinette Wilms 2232 Shadwell St.

KLEIN, JULIA ROSE 2372 Stratford Ave.
KOENIGKRAMER, LILLIAN WILHELMINA 2903 Kling Ave.
KRAMER, ELSA 1334 Broadway
KRUELLE, DOROTHEA SOPHIA 299 McGregor Ave.
LEVINSON, ROSE 2822 Eden Ave.
LILLY, ALICE LOUISE (A.B., 1920) 3300 Woodford Rd.
LINDEMAN, ELSIE 94 Juergens Ave.
LIPPERT, CORNELIA HELEN 1519 Jones St.
MCCABE, MARY JULIA 4218 Brownway Ave.
MADDUX, MILTON RICHARD 634 Orient Ave.
MAIORINO, MARY 1416 Elm St.
MICELI, VIRGINIA 1737 Sycamore St
MOELLER, EVELYN 573 Considine Ave.
MOTE, NEVA PAULINE (*N*) Piqua, O., and The General Hospital
MOTT, GEORGE JOSEPH 1727 Kinney Ave.
NAISH, SYLVIA MARIE 728 Clark St.
NEURMAN, MOLLIE 3239 Fairfield Ave
NIEDERMEYER, AMELIA CLARA 920 Grand Ave.
NOWACK, EMILY Chicago, Ill., and 74 Hollister St.
OGDEN, SARAH FRANCES 730 Scott St., Covington, Ky.
PARRY, EDWIN ARTHUR 928 Nassau St.
PAVER, MARAON 310 Helen St.
PUELSING, ALMA AUGUSTA 951 Hatch St.
PUFF, BERTHA KATHERINE 1030 York St., Newport, Ky.
PUGH, HANNAH 122 Ward Ave., Bellevue, Ky.
RABB, FRANCES 1826 Kinney Ave.
RASBACH, CATHERINE E. 209 Atkinson St.
REESE, MEREDITH POPP 5342 Whistler Ave.
RICHMAN, MRS. KATHERINE LONG (A.B., 1920) 3101 Burnet Ave.
RIETH, SUSIE ESTELLE 1659 Herbert Ave.
SACHS, MILDRED (A.B., 1920) 815 Glenwood Ave.
SAMMET, HELEN JULIA (A.B., 1918) 201 Hearne Ave.
SCHIEL, ELEANOR 3615 Middleton Ave.
SCHLAN, FANNIE 2910 Gilbert Ave.
SCHLAN, LENA LOUISE 2910 Gilbert Ave.
SCHMAL, ARMIN V. 6633 Montgomery Rd.
SCHULTE, ERIC L. 9 Mercer St.
SCHULTE, GROVER CHARLES 1723 Sherman Ave., Norwood, O.
SCHULZE, ALMA EMILY 4008 Floral Ave., Norwood, O.
SCHWARBERG, HAZEL MARGARET 635 Nelson Pl., Newport, Ky.
SCHWETTMAN, HARRY W. 5209 Whetsel Ave.
SEBASTIAN, JOHN CHRISTOPHER 2346 Auburn Ave
SEGAL, MALKE 1335 Myrtle Ave.
SELBERT, MRS. FRIDA FOERSTER 3209 W. 5th St.
SELBY, HOWARD 2882 Ziegle Ave
SHANABROOK, ALICE 5530 Orlando Pl
SHANABROOK, IVA 5530 Orlando Pl.
SHANNON, MRS. MARY BEATRICE KING 631 Oak St
SIEREVELD, LOUISE 568 Terrace Ave
SLUTSKY, DORA 3 Le Roy Court
SMITH, DOROTHY LOCKWOOD 1707 Sycamore St.
STEINFELD, MILDRED 4304 34th St.
STEINHARDT, MARIE RYAN 2928 Marshall Ave.
SUCIETTO, JOHN HENRY 2332 W. McMicken Ave.
SURRAN, ELIZABETH 328 Park Ave., Newport, Ky.
TAYLOR, FRANCIS GARRETSON 6018 Ridge Ave.
TELKER, MINNA JOHANNA 356 Howell Ave.

THEOBALD, LOUISE Ring Pl.
THOMAS, MRS. ALMA H. 266 Senator Pl.
TISCHBEIN, LIDA MAE 737 State St.
TRACY, CAROLINE B. (B.S., 1917) 532 Howell Ave.
TRACY, KATHLEEN (A.B., 1913) 532 Howell Ave.
TRESSLER, FLORA AGNES 720 Wells St.
TUCKER, EVELYN CAROLINE 2768 Minot Ave.
UPSON, CHARLES HAROLD 8266 Woodbine Ave.
UPSON, WILLARD IRVIN 8266 Woodbine Ave.
VALERIO, AMELIA 907 Elberon Ave.
VALERIO, BERNICE (B.S., 1918) 907 Elberon Ave.
VAN CLEEF, SELMA 222 Melish Ave.
WARREN, KATHERINE ESTHER 630 E. 3rd St., Newport, Ky.
WARREN, RUTH MARION 630 E. 3rd St., Newport, Ky.
WATTS, LILLIAN IONE 620 E. 6th St.
WEBB, MURIEL ELIZABETH 2511 Stanton Ave.
WUEST, FRANK WAGNER (E.E., 1918) 3430 Cornell Pl.
WUEST, JOHNNETTA ELSIE 158 W. McMillan St.
YALEN, CLARA 2253 Spring Grove Ave.
YOUNG, ELSIE LAVINE The Branch Hospital
ZETTL, CARL HENRY 3556 Wilson Ave.

SPECIAL STUDENTS

ABRAMS, HARRY AARON 825 Blair Ave.
ACKERMAN, EDWIN HOBART 1703 Sycamore St.
ADKINSON, MRS. WALLACE 574 Terrace Ave.
AKER, WILLIAM 4602 Erie Ave.
ANDERSON, DOUGLAS M. 514 E. 4th St.
ANDERSON, FRANCES FERN 113 W. 4th St., Covington, Ky.
ANDERSON, MABEL ADELINE 2607 Ring Pl.
ANDRIESSEN, HORTENSE AMELIA 114 Parker St.
APGER, MARY LOUISA Nurses' Home, General Hospital
ARMSTRONG, OLIVE ADALE 2620 Stanton Ave.
AYLWARD, MRS. KATHERINE Robson Ave., Ft. Thomas, Ky.
BACHMAN, ETHEL MARIA 221 E. Rochelle St.
BAIRNSFATHER, JOHN ALPHONSE 39 Calhoun St.
BAKER, ALBERTA 109 W. 4th St., Covington, Ky.
BALDWIN, ELMA GERTRUDE The Vendome, 4th and Washington Sts., Newport, Ky.
BANCROFT, MRS. F. C. 617 Glenwood Ave.
BANKER, ETHEL 574 Terrace Ave.
BANKER, IDELLA 574 Terrace Ave.
BARNES, ADELYN 543 Lexington Ave., Newport, Ky.
BARNES, EDITH GENEVIEVE 1602 Mansfield St.
BARR, NINA Edenton, O., and 2630 Stanton Ave.
BAUMES, JANET HAYWARD 5858 Wyatt Ave.
BAXTER, BESSIE SOMMERS 2557 Melrose Ave., Norwood, O.
BEHRMAN, MARY 2215 Sterrett Ave., Covington, Ky.
BEITZEL, CHARLES FREDERICK 1810 Young St.
BELL, CLARENCE WILBUR 4007 Burwood Ave., Norwood, O.
BELLIS, CECIL MAY The Jewish Hospital
BENEDICT, MRS. MARGARET H. 1325 Yarmouth Ave.
BENHAM, MILDRED LORRAINE The Conservatory of Music
BERNSTEIN, HERBERT B. 3434 Burnet Ave.
BICHARD, EDITH 476 Washington Ave., Bellevue, Ky.
BIEHL, WILLIAM ROBERT 2960 Massachusetts Ave.
BIELER, FLORA 209 Hearne Ave.

Bierer, Leah Florence 235 Forrer St., St. Bernard
Bird, Madelyn Beatrice 217 Eighth Ave.
Blanton, William Spencer 221 W. 4th St., Newport, Ky.
Blomberg, Edward Frank 3112 Troy Ave.
Bobbitt, Jane Eleanor 1027 Wesley Ave.
Boenker, Howard Henry 4208 Kirby Ave.
Bogart, Sophia Elizabeth 4718 Ward St.
Bohn, Frieda Odessa 17 Barclay Apts.
Bossert, Freda N. 3954 Dickson Ave.
Bowling, Albert Sidney 1701 Brewster Ave.
Bowling, Elise Margaret 1701 Brewster Ave.
Boyer, Martha Elizabeth 1027 Scott St., Covington, Ky.
Boyer, Mary Catherine 1027 Scott St., Covington, Ky.
Boyle, Earl 626 Straight St.
Boys, Iota 3637 Woodbine Ave.
Boys, Leola Christine 3637 Woodbine Ave.
Bradley, Irene Margaret 939 Paradrome St.
Bradley, Jr., William 2917 Park Ave.
Bretscher, Theodore A. 6211 Prentice St.
Brinkman, William James 3230 Glendora Ave.
Briol, Almee Fanny Virginia Windermere Way
Brown, Charles Henry 3002 Gilbert Ave.
Brown, Nellie Hewitt and Hackberry Sts.
Browne, Mary C. 123 Malvern Pl.
Brunsman, Lenore Louise 227 McGregor Ave.
Brunsman, Minnie 3016 Scioto St.
Buchanan, Ernest Joseph 2441 Ohio Ave.
Buescher, Florence M. 615 Maryland Ave.
Buether, William 1130 Carney St.
Buntain, Anne 2630 Stanton Ave.
Burkhart, Marguerite Anna Marie 276 Ludlow Ave.
Burns, Anna Lignoria 2136 Fulton Ave.
Butler, Nellie Wilson 2919 Eden Ave.
Butler, Thirza Ann The Deaconess Hospital
Cale, Catherine Lenora 5 The Ortiz
Callaghan, Katherine Cecelia 947 Paradrome St.
Cavanaugh, Donald Nicholas 540 W. 7th St
Chalk, Carl Edwin 417 W. 10th St., Newport, Ky.
Chasson, Esther 833 Blair Ave.
Chipman, Rosalie Calvert 1611 Neilson Pl.
Chambers, Jacob E. 3584 Vine St.
Christian, Anne Follett 814 Vine St., Dayton, Ky.
Chumard, George 3408 Princeton Ave.
Claassen, Clara Margaret 4025 Elsmere Ave., Norwood, O.
Clarz, Elizabeth Lawler 32 Hollister Ave.
Clark, Elsie H. 27 E. 9th St.
Clark, Mrs. Mary Bee 3098 Mathers St.
Clay, Drucilla 754 Richmond St.
Cloud, Frances Caroline Harrison, O.
Cobb, Pluma 1027 Scott St., Covington, Kv.
Cohan, Eli 3484 Dury Ave.
Cohen, Mollie 962 Windsor Ave.
Cohn, Montrose Green 2613 Moorman Ave.
Conrad, Erna 917 McPherson Ave.
Cook, John Gustave 3964 Regent Ave., Norwood, O.
Coon, Clara Anna 718 Melvin St.
Cooper, Anna Elizabeth Ft. Thomas, Ky.

Cordes, Estella Louise Ridge Ave., Pleasant Ridge
Cornelius, Charles Ewing 2139 Fulton Ave.
Cors, Leslie S. 3384 Erie Ave.
Courtright, Geraldine M. L. The General Hospital
Cox, Frances Woodmansee 3611 Shaw Ave.
Curren, Agnes 1634 Jonathan Ave.
Currie, Marion Isabelle 3244 Gilbert Ave.
Daly, Adeline 2149 Sinton Ave.
Dana, Madalene 2870 McKinley Ave.
Darrah, Grace Big Rapids, Mich., and 22 The Roslyn
Davis, Beulah Gladys 2130 St. James Ave.
Davis, Guy Pierson 287 Earnshaw Ave.
Davis, Mrs. Leila 4940 Madison Rd.
Davisson, Hugh Maxwell 3252 Beresford Ave
Deiterman, Harry Joseph 2270 Vine St.
Deluse, George Herbert 117 E. McMicken Ave.
DesJardins, Gregory Trudeau 3430 Brookline Ave.
Deubel, Marguerite Magdalene 706 W. 7th St.
DeVore, Madge 2378 Flora Ave.
Dietz, Constance Estelle 540 Ringgold St.
Diserens, Mrs. E. C. 68 N. Main St., Mt. Healthy, O.
Doggett, Forrest Joseph 3436 Monteith Ave.
Donat, Augusta Anna 2937 Gerard St.
Dost, Louise Margaret 553 Hoge St.
Drufner, Mrs. Vincent H. 224 Lyon St.
Dubrow, Sophie 1350 Burdette Ave.
Dudley, Eva Terrell (*N*) The Nurses' Home, General Hospital
Dulle, Elmer Henry 2218 Wheeler St.
Dumont, Charles Theodore 1916 Waverly Ave., Norwood, O.
Dunkle, Arvilla Crewe 346 Probasco St.
Durant, George Forrest 265 W. McMillan St.
Dyche, Allene 318 Vine St., Dayton, Ky.
Edwards, Edna 626 Crown St.
Elsberry, Jonsie Evans 2472 Wahl Terrace
Embry, Mrs. Costella Marie 3034 O'Bryon St.
Endebrock, Robert Augustus 2998 Wardall Ave.
Ernst, Viola Magdalene 1535 Holman St., Covington, Ky.
Evans, John C. 3612 Zumstein Ave.
Evatt, William Steinwedell 3613 Bevis Ave.
Fell, Blanche Margaret 1434 Pullan Ave.
Fell, Raymond Thomas 1434 Pullan Ave.
Feltz, William John 103 W. Clifton Ave.
Ferber, Elisabeth Mina 812 W. Court St.
Fielman, Anna 2370 Flora Ave.
Fischer, Hildegarde Martha 287 Albany Ave.
Fisher, Clinton George 3574 Colerain Ave.
Flahie, Marie No. 17 The Ortiz
Foley, Mary Agnes 4403 Glenway Ave.
Frank, Mabel M. Van 2595 Eastern Ave.
Frazer, Herbert Milton 6461 Beechmont Ave.
Frazier, Kate M. 1027 Wesley Ave.
Fricker, John Lawrence 251 Klotter Ave.
Friedman, Bennett 3592 Wilson Ave.
Friedman, Helen 3601 Hillside Ave.
Frizzell, Helene Margarethe 500 Baum St.
Garner, S. Harriett 1523 Chase Ave.
Garrison, Mary E. 2 Ortiz Bldg.

Gaskill, Helen M. 4601 Thoburne St.
Gehr, Helen Ursula 959 Elberon Ave.
George, Edyth Claire 3 Locust St., Covington, Ky.
George, Lettie Elizabeth 1339 Lincoln Ave.
Gerber, Mary 3455 Wilson Ave.
Gerdsen, Margaret Estelle 2645 Bellevue Ave.
Glasgow, Herbert Beacon 6724 Roe St.
Glazer, Pearl 345 Milton St.
Glendenin, Anna Pearl (*N*) Flint, Mich., and The General Hospital
Glover, Clyde B. Central Y. M. C. A.
Goldstein, Ida 421 Armory Ave.
Goode, Luella Sara 166 W. McMillan St.
Goodman, Gertrude Harriet 3441 Hallwood Pl.
Gordon, Abe 412 Wade St.
Grace, Louise Lawwill 3340 Woodburn Ave.
Grad, Max Harold 3441 Knott St.
Graeb, Rose Alma 212 Calhoun St.
Graham, Ethel Mundell 3452 Carthage Ave.
Gray, Gladys 13 Glendale St.
Greiner, Louise Roselle 46 W. McMillan St.
Grischy, Elmer William Salem Pike, nr. Wayside Ave.
Gross, Alice 2413 Kenton St.
Gross, Ethel Florence 9 Estelle St.
Gross, Walter Louis 9 Estelle St.
Guss, Margaret Ada 777 Ridgeway Ave.
Hacke, Willy Hugo Gottfried 2011 Dunlap St.
Harbrecht, Harry J. 1621 Sycamore St.
Hardy, Neva 3410 Woodburn Ave.
Harper, Margaret Louise 510 Fifth St., Dayton, Ky.
Harris, Samuel Louis 225 Northern Ave.
Hart, Helen G. 6008 Prentice St.
Hartley, Clara Thomas 621 Richmond St.
Haslitt, Ida M. (*N*) The General Hospital
Hatmaker, Mary Christine 779 Summit Ave.
Hauck, Helen Constance 1820 Brewster Ave.
Hauk, Kathryn Mae (*N*) The Nurses Home, General Hospital
Hauser, Marie 1918 Vine St.
Hauser, W. E. 845 Dayton St.
Havlin, Earl Albert 327 Crestline Ave.
Hayes, Irene Harriet 2072 Elm Ave., Norwood, O.
Hayford, Arthur Wellesley 224 Loraine Ave.
Hays, Everett 2982 Gilbert Ave.
Healy, Rufus A. 357 Beech Ave., Wyoming, O.
Heinrichsdorf, Elmore M. 2875 Erie Ave.
Heinz, Emma Anna 4122 Spring Grove Ave
Heisel, Elmer R. 3120 Burnet Ave.
Henn, Frederick Leo 2230 Kemper Lane
Henry, Willie Beckham 410 Broadway
Herancourt, Helen 921 Foraker Ave.
Herbert, Mrs. F. V. 104 Huntington Pl.
Herman, Thomas William 717 Gholson Ave.
Herold, Lulu Bryan (*N*) The General Hospital
Hess, Clara K. A. 1927 Vine St.
Hettesheimer, Norma Louise 1214 Primrose Ave.
Hicks, John Boyd 951 Findlay St
Hildreth, Ida May 3224 Harrison Ave.
Hines, Thomas 636 W. 9th St.

Hoffman, Mildred Louisa 4614 Sullivan Ave., St. Bernard, O.
Hollman, Hazel Valeria 114 W. 70th St.
Hooge, Raymond 1380 Myrtle Ave.
Houston, Annie May 8430 Wayne Ave.
Huber, Michael 5726 Wyatt Ave.
Huenerke, Olga Katherine 1318 Main St.
Hughes, Elizabeth 4228 Dane Ave.
Huheey, Floretta Kate 1514 Garrard St., Covington, Ky.
Hunsicker, Elmer Franklin 2367 Clifton Ave.
Hutchinson, William Earl Perintown, O., and 526 E. Pearl St.
Ideson, Ethel Fredricka 2156 Cameron Ave., Norwood, O.
Irwin, May 578 W. 6th St.
Jackman, Roslyn 1316 Locust St.
Jacob, David Henry John 1 W. Hollister St.
Jacobs, Raymond Frank Central Y. M. C. A.
Jauch, Florence Marie 3571 Colerain Ave.
Jenz, Ruth Priscilla 1303 Meier Ave.
Johannigman, Mary Marcella 1019 Academy Ave.
Johnson, Elmer W. 5717 Hamilton Ave.
Joyce, Estelle Elizabeth 233 McGregor Ave.
Juergens, Elsa E. 727 Delta Ave.
Kamm, Elmer J. 8354 Anthony Wayne Ave.
Kamm, Inez Margaret 8354 Anthony Wayne Ave.
Kampel, Lillian 2920 Madison Rd.
Kandel, Phoebe Miller (*N*) Canton, O., and General Hospital
Kath, Anna 413 Southview Ave.
Keating, Honora 1324 Broadway
Keller, Lillian M. 267 Southern Ave.
Kemp, Inez Susie 2272 Adams Ave., Norwood, O.
Kemper, Lester Ervine 21 Clay St., St. Bernard, O.
Kennedy, Corinne Conrad 43 W. 5th St.
Kennedy, Helen Agnes 826 E. 3rd St.
Kennedy, Helen Carver 2226 Adams Ave., Norwood, O.
Kennedy, Helen Edna 26 W. 74th St.
Kennedy, Marguerite 137 E. 10th St., Covington, Ky.
Kent, Hazel Eleanor 716 Wayne St.
Kercsmar, Bertha 3234 Jefferson Ave.
Kerman, Esther Beatrice (*N*) Tiffin, O., and Nurses' Home
Kerr, John Edwin 1014 Yale Ave.
Kessing, Helen Marie 2880 Linwood Ave.
Kettner, Louis 59 Mulberry St.
Keys, L. Dick 1105 Elm St.
Kiefner, Charles Harold 3411 Clifton Ave.
Klein, Loretta 1322 Burdette Ave.
Koett, Olga Marie 4107 Huston Ave., Norwood, O.
Krampe, Eleanor Louise 1601 Broadway
Krasne, Sophie 409 Union St.
Kreidler, Charlotte 3133 Madison Rd.
Kreidler, Elsa 3133 Madison Rd.
Kroger, Loretta Alice 3511 Bevis Ave.
Kropf, Fannie Verona 2405 Clifton Ave.
Lamkin, Anne Fay Patriot, Ind., and Y. W. C. A., 8th St.
Lammers, Irene 2797 Montana Ave.
Lampe, Charles Raymond 2882 Markbreit Ave.
Lampe, Frank Henry 2311 Vine St.
Landman, Eva 250 Forest Ave.
Lang, Hazel Margaret 1712 Vine St.

Langsdorf, Clara Margaret 3964 Eastern Ave.
Lantz, Louise (*N*) Miamisburg, O., and General Hospital
Larsen, Marie Andrea 324 Burnet Ave.
Latham, Myrtle Christine 5342 Whistler Ave.
Leaman, Carrie Bell 3325 Eastside Ave.
Lehenbauer, Benjamin G. 212 Calhoun St.
Leming, Harper R. Loveland, O.
Le Saint, Claire Louise 3542 Bevis Ave.
Levine, Rose 753 W. 7th St.
Levinson, Cecelia B. 351 Probasco St.
Lewis, Anna Belle 2102 Fulton Ave.
Lewis, Elsie Watt 2921 Urwiler Ave.
Licht, Rudolf 719 N. Crescent Ave.
Liebenrood, Laura Mary 126 Kinsey Ave.
Liebenrood, Lillian Ada 126 Kinsey Ave.
Liebenrood, William Francis 126 Kinsey Ave.
Liebing, Frieda 3503 Trimble Ave.
Little, Agnes Fonda 961 E. McMillan St.
Loeb, Dora 2110 Fulton Ave.
Long, Jeannette Elizabeth 6 E. 66th St., Elmwood Place, O.
Long, Lila 122 Washington Ave., Lockland, O.
Lotter, Frederick Daniel 2425 McMicken Ave.
Lucas, Anna Morgan 221 Lyon St
Luke, Mrs. A. D. 1810 Young St.
Luring, Viola Charlotte 3107 Colerain Ave.
McAuley, Helen Thresa 2855 Victoria Ave.
McDonald, Belle 3918 Forest Ave., Norwood, O.
McGregor, Hilda Margaret 2157 Sinton Ave.
McGrew, Anna N. 3597 Vine St.
McIlvain, Martha Elizabeth Twightwee, O.
McKinley, Eldora Josephine 824 Beecher St.
MacMillan, Myrtle Frances 357 Berry Ave., Bellevue, Ky.
McNelly, Nanabel 448 Considine Ave.
McPartlin, George Emmet 143 W. 72nd St.
Mace, Clifton Harting 618 Worthington Ave. ,Lockland, O.
Madden, Fannie May 6121 Roe St.
Magrish, Sarah 1638 Bruce Ave.
Mann, Annette 256 Ehrman Ave.
Mansfield, Dorris Brower Eaton, Ind., and 5 The Ortiz
Martin, Ada Russell 312 Ludlow Ave.
Matthews, Louise 113 W. Robbins St., Covington, Ky.
Maurer, Winifred 3338 Bevis Ave.
Messinger, Martha Elizabeth 114 Parker St.
Meyer, Emma 3140 Imperial St.
Meyer, Margaret 805 Hutchins Ave.
Michelson, Mary Cleinview Ave.
Mill, Edna M. 2156 Ohio Ave.
Millard, Elbert 2361 Reading Rd.
Miller, Hubert Warren 1705 Westwood Ave.
Miller, Louis Phillip 4544 N. Edgewood Ave.
Mills, Howard H. 208 E. 18th St., Covington, Ky.
Mitchell, Nell Bernice 3136 Imperial St.
Mitchell, Rosabelle Grau 3330 Eastside Ave.
Mithoefer, Emma Hermione 2305 Rohs St.
Mithoefer, Meta 2305 Rohs St.
Mohn, William Paul 123 Dorsey St.
Moorehouse, Dorothy (*N*) Montgomery, O., and The Nurses' Home

Moorman, Helen Mary 1726 Hanfield Ave.
Moreland, Jennie Louise 425 E. Third St.
Morgan, Stewart S. 1533 Ruth Ave.
Moss, Howard M. 621 W. 6th St.
Mossmyer, Mrs. Almyra 2511 Highland Ave.
Mueller, Eleanor Carrie 425 Ward Ave., Bellevue, Ky.
Mueller, Elsa Dora 3718 Morris Pl.
Mulvaney, Catherine 212 Baxter Ave.
Neagle, Alys Marie 315 Seitz St.
Nelson, Mary 111 Huntington Pl.
Neumayer, Lillian 95 Ehrman Ave.
New, Minnie 2630 Stanton Ave.
Newman, Emma Elizabeth 6801 Home City
Nichol, Gretta 602 W. 9th St.
Nicke, Gertrude Marie Syracuse, N. Y., and 74 Hollister St.
Nippert, Marie Adelaide 411 Ludlow Ave.
Noel, Anna Mae 252 Foote Ave., Bellevue, Ky.
Nuezel, Olinda Carolyn 2512 Moorman Ave.
Nuezel, Wilbur Frank 2512 Moorman Ave.
Nunneker, Elsie Kathryn 4620 Erie Ave.
O'Brien, Betty 1913 Greenup St., Covington, Ky.
O'Connor, George Leo 5 Park Pl.
Ogden, Della Norma 1740 E. McMillan St.
Ollman, Emil Julius 5421 Madison Rd.
Orr, Hazel Cameron 3 Maud Miller Apts.
Ort, Ruth Camila 440 Van Voast Ave., Newport, Ky.
Osborne, Price 601 E. McMillan St.
Osterbrock, Mrs. Elsie Amelia 3031 Marshall Ave.
Otto, Martha Julia 3106 Durrell Ave.
Paner, Elmer Frank 3302 Colerain Ave.
Parham, Sarah Lillie 533 W. Court St.
Parker, Harry Beecher 1412 Pullan Ave.
Parks, Edna Innis 2414 Norwood Ave., Norwood, O.
Patton, Gladys 201 Garrard St., Covington, Ky.
Patton, Marjorie 201 Garrard St., Covington, Ky.
Peabody, Nettie 1810 Young St.
Pearce, Bess May 2217 Washington Ave., Norwood, O.
Peitz, Rosalind Mary Gilbert Ave. and Locust St.
Peterson, Edwin T. 2905 Woodburn Ave.
Pfau, Alfred 3400 Glenway Ave.
Piatt, Enna Agnes 2335 Salutaris Ave.
Pigneguy, Anna Jane 3 View Pl.
Pohlkamp, Florence M. 36 Clay St., St. Bernard, O.
Pollak, Blanche 1504 Republic St.
Pollak, Clara 1504 Republic St.
Posegate, Mrs. Charles 1206 Halpin St.
Posner, Jennie S. 1350 Burdette Ave.
Posner, Sarah 1350 Burdette Ave.
Powell, Adelaide Evelyn 1027 Wesley Ave.
Quinlan, Ellen Dorothy 3206 Columbia Ave,
Radcliffe, Hazel 22 The Roslyn
Rafalo, Max 1509 Central Ave.
Rapp, Olga 1337 Chapel St.
Reichling, Richard Louis 2712 Griffith Ave.
Remke, Frank A. 1153 Bates Ave.
Reitzes, Frieda 2729 Oakley Ave.
Rhein, Elsie 937 Richmond St.

Richard, Alice Ellanora 209 Calhoun St.
Richman, Fannie Fay 622 W. 9th St
Riley, Rebecca Mary 2319 Madison Rd.
Roberts, Edmund Willson 3054 Woodburn Ave.
Roberts, Nelle Edith 1810 Young St.
Roehm, Earl Russel 1621 Sycamore St.
Roettinger, Joseph Anthony 38 E. McMicken Ave.
Rosenberg, Manuel Central Y. M. C. A.
Rosenberg, Sidney 500 Hale Ave.
Rosenbush, Edna Henrietta Union City, Ind., and The Jewish Hospital
Rosendale, Gladys Selma 2323 Flora Ave.
Rucker, Lucile 18 E. 8th St.
Ryan, Charles Conner 1937 Auburn Ave.
Rybolt, Walter Lawrence 3026 Paxton Rd.
Sagmaster, Joseph Wilfred 926 Chapel St.
Sandau, Bertha Fredericka 817 Hawthorne Ave.
Sanders Sam Julius 827 Lexington Ave.
Sauer, Urban 1416 Sycamore St.
Schairbaum, Herbert J. 340 O'Fallon Ave., Bellevue, Ky.
Schilder, Mary Henrietta 2929 Fairfield Ave.
Schleicher, Dorothy Constance 1940 Fairfax Ave.
Schleutker, Hilda 537 Carmalt St
Schlosser, Helen 2629 Cleinview Ave.
Schmedes, Mabel Catherine 3471 Boudinot Ave.
Schmidt, Edna 648 Enright Ave
Schmidt, Florence 2878 Dirheim Ave.
Schoenebaum, Herbert George 1608 Main St.
Schreckenhofer, Anna 2535 Scioto St.
Schuch, Elsie 1032 Evans St.
Schuler, Alma 2708 May St.
Schumacher, Charles Frederick 3250 Woodburn Ave.
Schumacher, Hugo Henry 1343 Walnut St.
Schurman, Lillian Cook 4534 Smith Rd., Norwood, O.
Schwarberg, Beryl Louise 635 Nelson Pl., Newport, Ky.
Schwartz, Blanche Hopkins 239 Albion Pl.
Seiler, Emma Catherine 2817 Highland Ave.
Shaffer, Lucy Kennedy 2260 Park Ave.
Shoop, Joseph Earle 5 Beech Rd., Southgate, Ky.
Siegman, Elsie Catherine 2401 Fairview Ave.
Skillman, Ada Marie 2389 Kemper Lane
Skimming, Mary Jane Park and Floral Aves., Norwood, O.
Smith, Charles Edison Grandview and Main Aves., Clifton, Ky.
Smith, Clara Margaret 1400 Taft Rd.
Smith, Margaret Catherine 3611 Newton Ave.
Snider, Alexander 630 Garrard St., Covington, Ky.
Snyder, Mildred Lucille 3930 Edwards Rd.
Socin, Carroll Rosemary 3547 Newton Ave.
Spear, Alice Blanche 425 Riddle Rd.
Spear, Marguerite Blake 425 Riddle Rd.
Stacey, Clara M. 4718 Ward St.
Staff, Gertrude Amalie 6314 Rosewood Ave.
Startzman, Harry David 1843 Josephine St.
Stauss, Phoebe Hilda 3640 Epworth Ave.
Steelman, Carrie Alice 634 Lincoln Ave.
Stegemeyer, Emilie Louise 3640 Russell Ave.
Steiner, Emma No. A, Rose Hill Apts.
Steinfield, Thomas Gile 1869 Fairmount Ave.

Storch, Arthur E. 311 Webster St.
Stout, Emma Bradford 1810 Young St.
Strasser, Cora Emily 226 Hosea Ave.
Stratemeyer, Irene Elizabeth 742 Enright Ave.
Strootman, Margaret Rose 1901 Queen City Ave.
Stuemer, Flora Marion 115 Ehrman Ave.
Sweeney, Kate Mary Box 247, Foley Rd.
Tatgenhorst, Elsie Dorothea 9 E. St. Clair St.
Tavender, Ottilia K. 6 Rosson Apts.
Taylor, Arthur Fillmore 6081 Montgomery Rd.
Taylor, Ethel Miller 120 Wellington Pl.
Taylor, Jean Elizabeth 21 Ferndale Ave.
Teasdale, Sidney R. Groton Bldg.
Thompson, Georgianna Jane 4618 Glenshade Ave.
Thornton, Susan B. 17 W. 5th St., Newport, Ky.
Tottleben, Mrs. Laura 425 Bank St.
Travers, Mrs. Elizabeth Arnold 3955 Elsmere Ave., Norwood, O.
Tressler, Anna E. 3545 Newton Ave.
Trieschman, Eleanor 1268 Sunset Ave.
Tritsch, Julius Mt. Healthy, O., and Fenwick Club
Trout, Howard Lafayette 1305 Walnut St.
Tully, Loretta E. 2857 Ashmont Ave.
Turner, Kathryn Leah 485 Riddle Rd.
Tuttle, Beth Marye Burnside, Ky., and Y. W. C. A., 8th St.
Unrich, Flora 3028 Cleinview Ave.
Van Cleeff, Corinne 862 Rockdale Ave.
Veith, Meta Stella 3852 Trevor Ave.
Vordenberg, Clara Mary 1045 Purcell Ave.
Vordenberg, Louise 1045 Purcell Ave.
Vordenberg, Ruth Anna Marie 1045 Purcell Ave.
Vories, Marien Hamilton 111 Alexandria Pike, Ft. Thomas, Ky.
Wahn, Ruth Anna 3251 Glendora Ave.
Wain, Mattie R. 21 The Alexandra
Walker, Mrs. Grace Isabella 425 Southview Ave.
Walter, Fred Charles 512 Klotter Ave.
Waterman, Edythe Lillian 642 W. Court St.
Waterman, Ruth Elizabeth 2706 May St
Webber, Elsie Cathryn 4164 Turrill Ave.
Weber, Helen 10th and Park Aves., Newport, Ky.
Weber, Walter Louis 11 Blue Grass Ave., Ft. Thomas, Ky.
Westerkamp, Ida Sophia 1020 Winfield Ave.
Wheeler, James Walter 1 Park Apts.
White, Ella 2933 Montana Ave.
White, Josephine 2933 Montana Ave.
Widau, William Earl 2667 Highland Ave.
Wieman, Norma Louise 915 Enright Ave.
Wierhake, Henry Elmer 3433 Carthage Ave.
Williams, Naomi Glouster, O., and 4109 29th St.
Wise, Celia 1363 Chapel St.
Woellert, Fred William 3906 Edgewood Ave.
Wolff, Angelin Rose Louise 4102 Bell Ave.
Wolfson, Benjamin 127 Green St.
Wolfson, Minnie 127 Green St.
Woseczek, Mary Louise 3312 Elland Ave.
Wrigley, Thomas Patrick 207 Woodward St.
Wuest, Hilda Mary 158 W. McMillan St.
Wuestenfeld, Evelyn 2537 Fairview Ave.

Wulfhorst, William Edward 26 E. Rochelle St.
Wulfman, Selma Elenore 727 Delta Ave.
Wyeta, Masayasu Central Y. M. C. A.
Young, Richard Pangburn 5525 Montgomery Rd.
Ziegler, Philip Earl 488 Crestline Ave.
Ziegler, Julia Ann 488 Crestline Ave.
Zoercher, Alma Theresa 4226 Franklin Ave., Norwood, O.

COLLEGE FOR TEACHERS

Regular Students

Fifth Year

Austin, Ruth Ann (*G*) 2311 Burnet Ave.
Axline, Eleanor (*G*) 48 Priscilla Apts.
Baker, Williametta (*G*) 1120 Vine St., Newport, Ky.
Bejach, Helen Ann (*G*) 311 Hearne Ave.
Brokaw, August (*G*) 3558 McHenry Ave.
Brown, Margaret Taylor 3449 Cheviot Ave.
Busch, Gladys Helen (*G*) 271 Gilman St.
Coldewey, Catherine Devereaux 272 McCormick Pl.
Douglass, Edna May 332 Rockdale Ave.
Fiscus, Josephine Emma 3868 Isabella Ave.
Guhman, Ruth Barbara 148 Woolper Ave.
Haskins, Eleanor Bowdle 2102 Dana Ave.
Holman, Marion Workum (*G*) 9 Cumberland Apts.
Irwin, N. Mildred (*G*) 6405 Roe St.
Keefer, Catherine Terrace Park, O.
Kramer, Mary Elizabeth (*G*) 6264 Corbly Rd.
McDevitt, Mary Eleanor (*G*) 541 Hale Ave.
Paddack, Mary Helen (*G*) 626 Hawthorne Ave.
Pagels, Charlotte Grace 833 W. 8th St.
Raine, Pauline Lucretia 6363 Montgomery Rd.
Robinson, Jean Hastie 979 Windsor St.
Ryan, Grace Marian (*G*) 1420 Chase Ave.
Smith, Elizabeth Baldwin (*G*) 1805 Madison Rd.
Spangler, Georgetta Lulu Dee 25 Compton Rd., Wyoming, O.
Sullivan, Jane Miller (*G*) 2315 Krouse Ave.
Tedtmann, Martha Florence 414 Betts St.

Seniors

Bachrach, Minnie Hildred (*ELA*) 506 Melish Ave.
Biddle, Earl Henry 621 Riddle Rd.
Bottigheimer, Helen (*LA*) 823 Lexington Ave.
Breuer, Elma Gretchen (*LA*) 2506 Galvin Ave.
Brotton, Beulah (*LA*) 127 Huntington Pl.
Brown, Gincie Bernice (*LA*) 3641 Burch Ave.
Cohn, Bertha (*LA*) 817 Mann Pl.
Cushman, Lucile Molinder 558 Howell Ave.
Daniels, Arlie Margaret 2380 Ravine St.
Dewees, Edna Mabel (*LA*) 1429 Sycamore St.
Eversull, Bess Marie (*LA*) 414 McGregor Ave., Elmwood Place, O.

Falk, Frieda 539 W. 8th St.
Feger, Hattie (*ELA*) 652 Crown St.
Feibleman, Minna Shubinski (*LA*) 232 Rochelle St.
Francis, Gertrude Anna 236 E. 3d St.
Fusshippel, Martha (*LA*) 2556 Moorman Ave.
Geis, Myrtle Priode 2624 Eden Ave.
Grosse, Margaret Johanna (*LA*) 5123 Whetsel Ave.
Habekotte, Dorothy Elizabeth 3232 Beresford Ave.
Hanauer, Marjorie 1881 Taft Rd.
Harris, Sarah B. 771 Whittier St.
Hauck, Phyllis 1820 Brewster Ave.
Hesterberg, Aline Julia (*LA*) 3563 Middleton Ave.
Hoppe, Hermina Josephine (*LA*) 6311 Grand Vista Ave.
Hubbard, Mary Isabelle 12 The Brookline
Huenefeld, Margaret E. (*ELA*) 331 Linden Ave., Newport, Ky.
Jaffe, Hazel Leona 818 Hutchins Ave.
Johnson, Ella Gertrude (*LA*) 3427 Burch Ave.
Johnstone, Ethel Anne 2526 May St.
Jones, Lela Frances Frankfort, Ind., and 911 Marion Ave.
Kane, Florence Margaret (*LA*) 272 Parkway Ave.
Kemper, Virginia Campbell (*LA*) 2401 Ashland Ave.
Kern, Mildred 549 Evanswood Pl.
Lammers, Helen Caroline (*LA*) 2797 Montana Ave.
Lesley, Francis (*LA*) 722 E. 6th St.
Levine, Sarah (*CC*) 806 W. 7th St.
Lindner, Kathryn Lehrer (*LA*) Glendale, O.
Lindsey, Ruth Ella 1352 Grace Ave.
Meyder, Minnie 4235 Florida Ave.
Niederhauser, Willard Fred (*LA*) 860 Rockdale Ave.
Poysell, Dorothy Marie (*LA*) 839 E. Ridgeway Ave.
Ragan, Maude Belle 521 Richmond St.
Rhodes, Ida May Virginia (*LA*) 836 Clinton St.
Runyan, Ruth Van Pelt College Hill
Sadler, Gladys Amy (*ELA*) 240 Hosea Ave.
Scheuerman, Esther Anna (*LA*) 2931 Jefferson Ave.
Schmeuszer, Henrietta Kathryn (*LA*) 4818 Greenlee Ave., St. Bernard, O.
Schmidt, Madeline Miriam (*LA*) 3122 Harvard Ave.
Seifried, Ruth Mansfield (*LA*) 3251 Beresford Ave.
Siebenthaler, Thecla Berne 593 Terrace Ave.
Smith, Frances (*LA*) 5123 Glenshade Ave.
Sullivan, Florence Marie 1368 Myrtle Ave.
Tracy, Inez (*LA*) 408 Southview Ave.
Truitt, Alice Esther (*LA*) 4950 Bouton Ave.
Walker, Helen Cooper (*LA*) 3240 Beresford Ave.
Weir, Ruth Lucile 3427 Stathem Ave.
Weitkamp, Helen 757 McMakin Ave.
Wilson, Susan Jane 5863 Wayside Ave.
Youngerman, Cecelia 844 Windham Ave.
Zettel, Winifred (*LA*) 3303 Menlo Ave.

Juniors

ALLEN, GLADYS PENNY (*LA*) 342 Probasco St.
BAKER, MRS. BESSIE 231 W. 6th St.
BAKER, HELEN EVANGELINE 104 E. University Ave.
BARR, MILDRED 3050 Griest Ave.
BAUER, LOUISE KATHRYN 1840 Kinney Ave.
BOWMAN, MARY BELLE (*LA*) 2439 Moerlein Ave.
BREUER, LOUISE (*LA*) Hamilton Ave., near North Bend Rd.
BRITNEY, DOROTHY VAN WINKLE 3655 Middleton Ave.
BROTTON, INEZ ERNESTINE 127 Huntington Pl.
CASE, NANNETTE VIRGINIA 36 E. Hollister St
CHALKLEY, MARY LILLIAN 210 E. 19th St., Covington, Ky.
CHRISMAN, IRENE LOUISE (*LA*) 3665 Vine St.
COLDEWEY, HELEN ELISE 272 McCormick Pl.
CONNER, VIRGINIA LEE 2546 Ingleside Ave.
COOK, ISABELLE RUTH 4229 Brookside Ave.
DONOVAN, MARGARET R. (*LA*) 2606 Euclid Ave.
FILLMORE, ANNETTE (*LA*) 3531 Bevis Ave.
FRIEDMAN, ESTELLE 776 E. Ridgeway Ave.
FULTON, HELEN MARGARET 475 Stanley Ave.
GAHR, FLORENCE ORMOND 3434 Mooney Ave.
GAMPFER, NELSON MESSNER (*LA*) 1153 Inglenook Pl.
GRASFEDER, MARIE 646 E. 3rd St., Newport, Ky.
GREGG, ANNA MYRA (*LA*) 565 Terrace Ave.
HEIS, CHRISTINE CATHERINE (*LA*) 2409 Baltimore Ave.
HOEHNE, VIOLA KATHERINE (*LA*) 1714 Hewitt Ave.
HOFFMAN, HELEN ELIZABETH (*ELA*) 417 Warren Ave
HOLDEN, NANA 3535 Zumstein Ave.
HUMMEL, ALINE MARGARET 2819 Harrison Ave.
HUSEMAN, JULIA LOUISE 306 Piedmont St.
HUSTON, HAZEL HANNA 4303 Beech Hill Ave.
JENNINGS, CHARLOTTE MARGARET (*ELA*) 650 Crescent Ave.
KINGERY, WILLIAM RAY (*LA*) 1943 Fairfax Ave
KLEIN, ELIZABETH HIGBEE 4704 Simpson Ave.
KOPPENHOEFER, HAZEL LOUISE (*LA*) 3417 Warsaw Ave.
KRAPP, RUTH LIZETTE (*LA*) 2012 Burnet Ave.
KROENCKE, ANNA FRIEDA Ridge Ave.
LE TENDRE, BEATRICE MALVINA (*LA*) 672 Rockdale Ave
LLOYD, CICELY BURT Terrace Park, O.
NEWMAN, PHYLLIS CAROLINE 4811 Winton Rd.
O'CONNELL, MARY RUTH (*LA*) 627 Hawthorne Ave
PICHEL, JOSEPH LOTH (*LA*) 360 Northern Ave.
POCHAT, LOUISE 4228 Floral Ave., Norwood, O.
POOS, GRETCHEN ERNA (*LA*) 445 Riddle Rd.
PRESSLER, WILMA MARGUERITE (*LA*) 220 Lyon St.
ROBERTS, ELIZABETH ISABELLE (*LA*) 3054 Woodburn Ave.
SCHEIFFELE, CORINNE ELIZABETH 3519 Mooney Ave.
SCHEIFFELE, MARGARETHA FREDERICA (*LA*) 2344 Chickasaw St.
SONNENDAY, DORA 2344 Ohio Ave.
STUMP, MYRTLE MARIE (*LA*) 576 Delta Ave.
SUTER, ELIZABETH 2308 Rohs St.
TAYLOR, ARTHUR CULLEN 4404 Whetsel Ave.
TUCKER, ELIZABETH ESTELLE (*LA*) 3117 Harvard Ave.
VANDERVORT, DOROTHY LOUISE (*LA*) 110 E. Jackson St., Loveland, O.
WASMER, ALICE ELENORA (*LA*) 1730 Pell Place
WIKEL, RUTH DOLBY A'Laise Bldg
WILLIAMS, FRANCES C. 3455 Paxton Rd.
ZEHLER, EMMA 2538 Hackberry St.

Second Year

Burns, Mary Isabel R. R. No. 1, Madisonville
Seilkop, Norma Margarite 2932 Minot Ave.
Snyder, Corinne Juliette Liberty, Ind., and 2334 Ashland Ave.
Valerio, Clara 907 Elberon Ave.

First Year

Atkins, Ida Lovell 1329 Yarmouth Ave.
Berry, Reseda Dorothea 2509 Chatham Ave.
Cooper, Martha Anne 3590 Mooney Ave.
DeRonde, Ada 2266 Schoedinger Ave.
Fellers, Sarah Lavinia 6140 Robison Rd.
Happensack, Noemi 4027 Glenway Ave.
Hodge, Cresse Lou 4436 Lucerne Ave.
Houchens, Thelma Naomi Plainville Pike, R. R. 10, O.
Keller, Edna Margaret 3730 Woodland Ave.
Langdon, Sydnie Elizabeth 2038 Beechmont Ave.
Leighty, Elizabeth Rowe 3438 Price Ave.
McDevitt, Mary 275 McCormick Pl.
Mundy, Martha Terrace Park, O.
Parsons, Blanche M. 1106 Wildwood St., Ft. Wayne, Ind.
Rockel, Esther Marie 1875 Hewitt Ave.
Schwenker, Margaret Amalia (*ELA*) 1555 Donaldson Pl.

Candidates for a Diploma

Second Year

Baumgardner, Nina G. 6127 Roe St.
Baxter, Helen Lucile Springfield, O., and 624 Lincoln Ave.
Belmer, Elizabeth Helen 1833 Fairmount Ave.
Bray, Alice Pollock 101 Burns Ave., Wyoming, O.
Bush, Helen Elizabeth Gallipolis, O., and 23 St. Leger Apts.
Gammill, Pauline 4804 Beech St., Norwood, O.
Grimpe, Joy Barbara Warsaw, Ill., and Scarlet Oaks
Harper, Queenie Sellars 511 5th Ave., Dayton, O.
Richards, Nellie Grace 4403 Eastern Ave.
Samuels, Sadie Margarite (*ELA*) 1736 Baymiller St.
Thompson, Rosan Elizabeth 2111 Cameron Ave., Norwood, O.
Wheatley, Katherine Bertha 314 Cleveland Ave., St. Bernard, O.

First Year

Bockholt, Jeannette 2616 W. 6th St.
Broyles, Mary Elizabeth Westville, O., and 816 Windham Ave.
Cohn, Gladys Green 2613 Moorman Ave.
Farlice, Marcella 215 Walnut St., Elmwood Place, O.
Friason, Henriet La Verne (*ELA*) 2916 Montfort St.
Funk, Isabelle 3408 Harvey Ave.

Gillham, Luella Edith 4025 Grove Ave., Norwood, O.
Gordon, Goldie 3301 Drexel Pl.
Haile, Margaret Seely 49 E. McMillan St.
Platt, Jeannette Hulme 624 Lincoln Ave.
Potts, Mary Elizabeth 1921 Auburn Ave.
Powell, Amy Arnold 1 Anthony Apts.
Sorenson, Sylvia 3812 Floral Ave., Norwood, O.
Walsh, Frances Louise 3570 Shaw Ave.
Waterman, Edna Mae 2706 May St
Wilson, Sarah Pauline Smithland, Ky., and 624 Lincoln Ave.

Special Students

Anderson, Margaret Shoenberger 2383 Grandin Rd.
Baker, Mrs. C. W. 517 Maxwell Ave.
Balch, Elizabeth LeBlond 2929 Annwood Ave.
Beazell, Margaret Davis Apt. C, The Brenton
Bingaman, Mary R. Highland and Piedmont Aves.
Blake, Elizabeth 2717 Johnstone Pl.
Brestel, Gertrude Florence (*ELA*) 460 Warner St.
Brown, Dazie S. 2221 Kemper Lane
Camacho, Oriel 2245 Grandin Rd.
Clark, Jeanie M. 3242 Epworth Ave.
Cohen, Edith Helene 2620 Stanton Ave.
Costello, Anna 1009 Beech Ave.
Davison, Marjorie Nan Harrison, O., and 627 Oak St.
Dearth, Florence E. Harris Bldg., Norwood, O.
Denison, Alice Lucy 3154 Harvey Ave.
Enger, Ruth 30 Clermont Apts.
Farley, Elizabeth Richmond, Ky., and 4 Anthony Apts.
Faville, Helen Glenmary and Bishop Sts.
Fish, Virginia Delbert Jacksonville, Fla., and Conservatory of Music
Foerster, Elizabeth Robert 3209 W. 8th St.
Foley, Alice Hastings, Mich., and 2358 Clifton Ave.
Forker, Mrs. Anna M. 3043 Wold Ave.
Forker, Augusta McClure 3043 Wold Ave.
Galvin, Julie Elizabeth 6320 Montgomery Ave.
Garvey, Marie Fahnstock 770 E. Ridgeway Ave.
Haehnle, Amelia 830 York St.
Hannaford, Agnes 730 Derby Ave.
Hatfield, Louise Patricia 400 Wallace Ave., Covington, Ky.
Hoadley, Helen Eaton 222 Garrard St., Covington, Ky.
Hodge, Anna Elizabeth 6363 Grand Vista Ave.
Jamieson, Katharine Louise Batavia, O., and 2331 Grandview Ave.
Jones, Henrietta Graham (*ELA*) Glendale, O.
Krippendorf, Mary Rosan 2835 Gilbert Ave.
Kroger, Elizabeth Pendleton 835 Lincoln Ave.
Kunkel, Bernice Mae 3469 Craig Ave.
Langdon, Marjorie 2934 Vernon Pl.
Lewis, Dollie Elizabeth 2921 Urwiler Ave.
Lodwick, Edna Mae 1411 Ryland Ave.
McIntire, Laura Mildred 2318 Williams Ave., Norwood, O.
Mack, Rebecca 4 E. Sommerfield Apts.
Miller, Ethel Bloch 3351 Reading Rd.
Oehler, Mary Warner 111 E. Auburn Ave.
Ostrager, Mattie 562 Prospect Pl.

Ott, Helen Florence 120 W. McMillan St.
Parry, Bess Durrett 418 Wallace Ave., Covington, Ky.
Pichel, Estella 360 Northern Ave.
Powell, Nathalie Pendleton 2969 Annwood Ave.
Rebhun, Ruth 333 Lafayette Ave.
Rogan, Elizabeth Jackson Glendale, O.
Rowe, Madeleine 789 N. Crescent Ave.
Scarborough, Rebecca Aspinwall 1842 Madison Rd.
Shigley, Celestine Lida 843 E. Ridgeway Ave.
Sicha, Sylvia Constance 9 The Roanoke
Struble, Alice Cleves, O.
Swing, Catharine Louise 6230 Robinson Rd.
Thinnes, Mae Belle 1625 Westwood Ave.
Tweedy, Armene Gilchrist 3493 Wilson Ave.
Uffelman, Lucille Ada 3428 Glenmore Ave.
Van Horn, Pauline 215 Gilman Ave.
Wagner, Florence R. Delaware, O., and 836 Lincoln Ave.
Waite, Mary Resor 356 Resor Ave.
Wegehoft, Florence Henrietta 5724 Montgomery Rd.
Weis, Pauline Adelaide Lancaster, O., and 510 Findlay St.
Weiser, Florence Sarah 1027 Wesley Ave.
Wetzel, Helena Elizabeth 305 Park Ave., Newport, Ky.
Widmeyer, Agnes 3591 Mooney Ave.
Windisch, Margaret Sophia Clifton and Bryant Aves.
Worthington, Louise Skinner 2963 Annwood Ave.
Yeiser, Anna Elizabeth 1005 Burton Ave.

Teachers

Ammerman, Lesta Fern Van Zant Rd., Mt. Healthy, O.
Apgar, Edith Lelia Loveland, O.
Appel, Clara Margaret (*ELA*) 4431 Brazee St.
Bacon, Margaret Reardon 204 Atkinson Ave.
Baechle, Julia Marie (*ELA*) 330 Straight St.
Ballauf, Estelle E. 3535 Mooney Ave.
Bausch, Walter Armstrong 2932 Montana Ave.
Becker, Marie 3831 Cass Ave.
Bell, Margaret Eloise (*ELA*) 2637 Alms Pl.
Bellamy, Marjorie 627 June St.
Bergman, Erich F. 6018 Belmont Ave.
Bockholt, Lewis John (*ELA*) 2616 W. 6th St.
Brestel, Perry Clarence 1324 Arlington St.
Britton, Jesse Brown 1405 Bonnell Ave.
Broderson, Clara Christine 325 Broadway
Butler, Bertha C. North Bend, O.
Button, Lucy Oxford Hotel
Callahan, Marjorie C. (*ELA*) 966 Hawthorne Ave.
Callon, Albert Blanchester, O.
Carter, Emma Savage 2827 Park Ave.
Cleaver, Clarence Barclay (*ELA*) 4601 Thobourne Ave.
Clenna, Margaret Lee Evansville, Ind., and 866 Buena Vista Pl.
Collins, Mary Elizabeth Loveland, O.
Condit, Arthur Thomas 289 McCormick Pl.
Costello, Mary E. 1565 Ruth Ave.
Derrickson, Julia Ann 25 Chestnut Ave., Wyoming, O.
Dixon, Blanche R. McCall School

Dobrowsky, Rose 829 Cleveland Ave.
Doughman, Mamie Florence 125 Pike St., Reading, O.
Dunlap, Marie Barnes 46 W. 5th St., Covington, Ky.
Eid, Sophie 421 Catherine St.
Fahlbush, Katherine Augusta 125 E. 5th St., Newport, Ky.
Feldmann, Mary Helen (*ELA*) 1622 Scott St., Covington, Ky.
Fenton, Irma F. 1305 Locust St.
Fitzsimmons, Alice Marie Grant and Sheridan Aves., Ft. Thomas, Ky.
Fitzsimmons, Catherine Mary (*ELA*) Grant and Sheridan Aves., Ft. Thomas, Ky.
Fleming, Helen 2115 Fulton Ave.
Foree, Ethel Clegette (*ELA*) 407 Pendery Ave., Wyoming, O.
Foster, Addie Belle (*ELA*) 1036 Mound St.
Foster, Ruth S. (*ELA*) 1036 Mound St.
Frankenstein, Bess 1325 Locust St.
Fullman, Susie Mt. Healthy, O.
Gaenge, Gertrude Edith (*ELA*) 4038 Taylor Ave.
Gardner, Virginia Ripley, O., and 549 W. 7th St.
Gau, Marianne 2525 Gilbert Ave.
Geis, Marguerite (*ELA*) 115 Huntington Pl.
Geisert, Mary Frances Lawrenceburg, Ind.
Gibboney, Clare Rea 2628 Park Ave.
Godshaw, Stella (*ELA*) 2 Essex Apts.
Goettheim, Helen 52 Graham St.
Graves, Margaret Spencer 14 Bluegrass Ave., Ft. Thomas, Ky.
Grimes, Beatrice North Bend, O.
Hanna, Helen Gould (*ELA*) 235 Forrer St., Lockland, O.
Hill, Elsie Marie 4211 Franklin Ave., Norwood, O.
Hughes, Allie 705 Oak St., Wyoming, O.
Housh, Frances Ruth (*ELA*) 5613 Abbotsford Pl.
Housh, William Kimball 5613 Abbotsford Pl.
Hugi, Elizabeth 505 Cooper Ave., Lockland, O.
Hummel, Stella Marie 1004 Chapel St.
Joerling, Arthur (*ELA*) 2331 Flora St.
Johnson, Anna Davidson 920 Churchill Ave.
Johnson, Ruth Belle Hotel Gordon
Kiel, Anna 2400 Montana Ave.
Kolb, Mary Harrison, O.
Layman, Mary Dean 3705 Lueders Ave.
Leedy, Nellie Evelyn 325 Broadway
Leonard, Elizabeth R. (*ELA*) 136 W. McMillan St.
McGrew, Mary (*ELA*) 3597 Vine St.
McWhirter, R. L. Ninth St. Y. M. C. A.
Maddox, Flora Rich 225 E. 3d St., Covington, Ky.
Massenberg, Della 1210 Chapel St.
Meyder, Minnie (*ELA*) 4235 Florida, Ave.
Myers, M. Cora 31 Glencoe Pl.
Parham, Grace H. 1237 Lincoln Ave.
Perry, Sarah 2935 Gilbert Ave.
Phillips, Marie Ingram (*ELA*) Lexington, Ky., and 312 Garrard St., Covington, Ky.
Pistorius, Emily 755 Whittier St.
Pyle, Margaret Elizabeth (*ELA*) 1539 Scott St., Covington, Ky.
Raney, Carrie Emma Bryan (*ELA*) 21st and Lindsay St., Newport, Ky.
Rasor, Mary Willie 755 Chateau Ave.
Riehle, Fannie 3503 Vine St.
Rieman, Emma Justine (*ELA*) 2215 Ohio Ave.
Rieman, Mabel Cecelia 608 3d St., Dayton, Ky.
Sanford, Anna 1243 Chapel St.

Schroer, Kate Hauer 3843 Davis Ave.
Schweikert, Mabel (*ELA*) 725 York St., Newport, Ky.
Shutts, Marie 2063 Elm Ave., Norwood, O.
Spooner, Beatrice Glendale, O.
Staud, Marie 2516 Ravine St.
Stuerwald, Olga Violet 8333 Woodbine Ave.
Van Winkle, Margaret Eleanor 2368 Kemper Lane
Walke, Nelson Sumter (*ELA*) 339 Calhoun St.
Weik, Marguerite Romilda (*ELA*) Hamilton, O., and 3000 Burnet Ave.
Wells, Ethel Medora 2214 Burnet Ave.
Willard, Mabel Winterbottom 3975 Main Ave., Norwood, O.
Williams, Eva 2048 Elm Ave., Norwood, O.
Worthington, Madeline Wren, O., and 528 Clark St.

COLLEGE OF ENGINEERING AND COMMERCE

Regular Students

Seniors

Abrams, Louis 825 Blair Ave.
Allen, Charles John 3738 Edwards Rd.
Atkin, Bernard 2521 Auburn Ave.
Averill, William David Frankfort, Ky., and 2667 Highland Ave.
Bauer, Ralph Charles 4250 Williamson Pl.
Beekley, Henry L. 1929 Kinney Ave.
Berg, Isadore A. 3340 Reading Rd.
Bockhorst, John Joseph 774 Summit Ave.
Boone, Joe Clinton 2372 Park Ave.
Breiel, George Willard Southgate, Ky.
Brite, Hector Leigh 3344 Gano Ave.
Brown, George Carlton 2630 University Ct.
Bryant, Leslie Edwin 2048 Auburn Ave.
Burns, Harry Robert 540 W. Seventh St.
Clark, Harry Franklin Monroe, Wash., and 127 Calhoun St.
Constable, Charles E. 4220 Marburg Ave.
Crome, Lester Charles Richmond, Ind., and 127 Calhoun St.
Crutchfield, James Tevis 18 Woodburn Apts.
Doran, John Edward 6058 Oakwood Ave.
Elliott, Thomas Ernest 351 Wood Ave.
Feighery, Eugene Joseph 112 Parkway Ave., Covington, Ky.
(*D*) Feld, Jacob (*G*) 3348 Burnet Ave.
Finch, Brent Sterrett 1727 E. McMillan St
Fitzgerald, Gerald Edward Fond du Lac, Wis., and 2437 Clifton Ave.
Fries, Daniel Gustav 1826 Garrard St., Covington, Ky.
Garnatz, George Frederick 4243 Hamilton Ave.
Gatchell, Oliver Wickerham 120 W. St. Clair St.
Gellenbeck, Francis R. 407 Resor Ave.
Gerstle, Joseph Peter 3558 Beechmont Ave.
Greiser, Kenneth Evers 3039 Montana Ave.
Haas, Elwood Adam Dayton, O., and 3427 Middleton Ave.
Henlein, Carl Albert 54 E. McMillan St.
Henshaw, Lewis Johnson 5763 Belmont Ave.
Herzog, John P. Massilon, O., and 2649 Bellevue Ave.

Hobart, Jr., John Potts 2419 Salutaris Ave.
Hucke, Elmer Frank 404 Lombardy Ave., Elmwood Place, O.
Kamphausen, Rudolph Carl 3018 Sanders St.
Keck, William Eugene 26 W. Thirteenth St.
McDonald, William John 468 Purcell Ave.
McFarlan, James Powell 726 W. Ninth St.
McFarland, James Clark 6315 Beechmont Ave.
McKinley, Glen Lloyd Denver, Col., and 54 E. McMillan St.
Maggs, Albert Hector Fitchburg, Mass., and 40 E. McMillan St.
Miller, Jeptha Mackenzie 4146 Floral Ave., Norwood, O.
Micthell, Calvin Dewey 2210 Gilbert Ave.
Mitsch, Edward Henry Indianapolis, Ind., and 3718 Morris Pl.
Moffett, John Harrison Rushville, Ind., and 10 Glencoe Pl.
Moss, Fred James 621 W. Sixth St.
Mumaw, Lloyd Gerber Canton, O., and 22667 Highland Ave.
Newbold, Ernest Miller Louisville, Ky., and 140 W. University Ave.
Nuezel, Elmer Frederick 2512 Moorman Ave.
Oberlander, Theodore Fred 274 Emming St.
Osborn, Cyrus Richard 2667 Highland Ave., and Dayton, O.
Pease, George Batchelder Rutland, Vt., and 2647 Bellevue Ave.
Pockras, Harry Towanda, Pa., and 2647 Bellevue Ave.
Pope, Howard Louis 3819 Drake Ave.
Redmon, Roy Shafter Butler, Ky., and 729 State Ave.
Rhein, Stanley Philip 70 Ehrman Ave.
Rosenstein, Sidney Milwaukee, Wis., and 4535 Innes Ave.
Roy, George Henri Dijon, France, and 2521 Auburn Ave.
Russell, Lewis Sterling 2521 Auburn Ave.
Schaufele, William H. Fairfield and Washington Aves., Bellevue, Ky.
Schmidt, Albert Henry 2723 W. Sixth St.
Schubert, Edward Herman 3332 Hackberry St.
Shafer, Robert Tinsley 3879 Erie Ave.
Sorin, Eugene (*ELA*) 3396 Erie Ave.
Stegemeyer, Lou Augustus 3640 Russell Ave.
Strietelmeier, Edward Charles 2437 Clifton Ave.
Thaman, Frederick 2523 Stratford Ave.
Theis, Edwin Raymond 1113 Vine St., Newport, Ky.
Trinkle, Carl 2355 W. McMicken Ave.
Tuttle, Donald Everett Wilmington, O., and 2509 Auburn Ave.
Wiegand, Vernon Ivan Ellsworth Preston, Minn., and 2048 Auburn Ave.
Winkelman, Leon John 3322 Woodford Rd.
Winslow, Edward Llewllyn 3413 Whitfield Ave.
Wolfinger, Ralph Wilson Marion, O., and 2210 Ohio Ave.
Wood, Clinton Hobart 109 N. Shuler Ave., Hamilton, O.

Juniors

Addison, Griffith Thomas 3136 Hackberry St.
Allan, Donald 2881 Dirheim Ave.
Allen, Glenn Harold Chevy Chase, D. C., and 2048 Auburn Ave.
Arnold, George Mathias Escanaba, Mich., and 2437 Clifton Ave.
Bailey, Herbert Polson 226 Loraine Ave.
Barkley, Rudolph 925 Clinton St.
Beaman, James Addison Sidney, O., and 2628 Cleinview Ave.
Benzing, Gordon Oakley 709 S. Ninth St., Hamilton, O.

Bishop, Jr., Walter Wood Dayton, O., and 2210 Ohio Ave.
Brault, Richard Henri St. Malo, France, and 2521 Auburn Ave.
Brockman, Norbert Clement 3559 Newton Ave.
Curtiss, Howard Crosby Athens, Pa., and 2437 Clifton Ave.
Davis, Corwine Spalding 1422 Greenup St., Covington, Ky.
Deardorff, Harold Emerson Dayton, O., and 152 W. McMillan St.
De Ginther, Charles Willard 3301 Hardisty Ave.
Dehmel, Lester Forrest 3012 Jefferson Ave.
Diefenbach, Lowell Toman West Alexandria, O., and 2535 Stratford Ave.
Easley, Modie Wilson 3087 Markbreit Ave.
Edmonston, Joseph Ricketts 460 Crestline Ave.
Eilers, Henry George 380 Howell Ave.
Garrison, Stuart Ritchey 2938 Urwiler Ave.
Geis, Fred Louis 115 Huntington Pl.
Geis, Robert LeRoy 115 Huntington Pl.
Gest, Henry 2144 Grandin Rd.
Gleeson, Francis Martin 29 Woodsdale Ave.
Grauer, Ladru Oron Springfield, O., and 54 E. McMillan St.
Gregory, Lewis Joel Demopolis, Ala., and 2667 Highland Ave.
Guilday, John William Xenia, O., and 54 E. McMillan St.
Hallberg, Thure Eberhardt Chicago, Ill., and 152 W. McMillan St.
Heena, Carl Raymond Bowling Green, O., and 915 Race St.
Hollister, Leonard Cochran Sheridan, Wyo., and 2048 Auburn Ave.
House, Edwin Ralph 2426 Husdon Ave., Norwood, O.
Howe, Ralph C. Hamilton, O., and 2521 Auburn Ave.
Hucke, Raymond Henry 404 Lombardy St., Elmwood Place, O.
Hughes, John Stanley Buffalo, N. Y., and 2048 Auburn Ave.
Jander, John Buffalo, N. Y., and 58 Hollister St.
Keever, Herbert Kohl 3156 Glendora Ave.
Kiefner, Frank Wilson Perryville, Mo., and 3411 Clifton Ave.
Klopp, Norman Francis Oregon, Mo., and 2509 Auburn Ave.
Koeppen, Harold Milwaukee, Wis., and 309 Ludlow Ave.
Koski, Elmer Jacob Waterford, Conn., and 40 E. McMillan St.
Kraemer, Erwin Albert 311 Oregon St.
Landon, William Bradley Meadville, Pa., and 3018 Sander St.
McClure, Arthur William Dayton, O., and 2210 Ohio Ave.
McCune, Ronald Muskogee, Okla., and 22667 Highland Ave.
Manson, Rene Paris, France, and 246 Helen St.
Meredith, William Paul (*ELA*) 2616 Marsh Ave., Norwood, O.
Mills, Frank F. 5815 Wyatt Ave., Kennedy Heights
Minnium, Byron Biddle Meadville, Pa., and 2210 Ohio Ave.
Morris, George William Brazil, Ind., and 2357 Stratford Ave.
Morrison, Frank William 1610 Mansfield St.
Myers, James Earl 1830 Fairfax Ave.
Noble, John Irvine Abington, Pa., and 2210 Ohio Ave.
Olinger, Stanton 255 Albion Pl.
Ott, Reuben Ervin Frederick (*ELA*) 120 W. McMillan St.
Petree, Jay R. Oregon, Mo., and 2667 Highland Ave.
Peyron, Albin Stuart Paris, France, and 3245 Glendora Ave.
Pfefferle, Frank Herman Appleton, Wis., and 3018 Sanders St.
Pingon, André Charles Vaivre, France, and 3457 Oxford Terrace
Piper, Robert Neal 1334 Meier Ave.
Plueddemann, Hugo Reinhart California, O.
Rice, Joseph Kellogg Monroeton, Pa., and 2210 Ohio Ave.
Ricker, Frank Gordon Kirkwood, Mo., and 3330 Jefferson Ave.

Ritzi, John Henry 14 Juergens Ave.
Roby, Carles Foy Wooster, O., and 304 W. McMillan St.
Rodgers, George Kershaw (*ELA*) Fall River, Mass., and 2667 Highland Ave.
Roller, Walter William Milwaukee, Wis., and 224 Loraine Ave.
Roshong, Roy George Canton, O., and 2210 Ohio Ave.
Salkover, Nicholas Mann (*CC*) 256 Ehrman Ave.
Sarvis, Robert Guyle Fenton 8315 Curzon Ave.
Schneider, Matthew Simpson Odebolt, Ia., and 125 W. McMillan St.
Schoelwer, William Brazell 3605 Edwards Rd.
Shoemaker, Glenn Elbert Winchester, Ind., and 150 W. McMillan St.
Sigmund, Ralph William Philadelphia, Pa., and 3330 Jefferson Ave.
Smedley, Anderson Barden 2925 Eden Ave.
Smith, William Furber 3773 Lueders Ave.
Splain, Walter Edward 1764 Taft Rd.
Stackhouse, Howard Leigh Fostoria, O., and 3018 Sanders St.
Steinman, William Nicholas 4237 Williamson Pl.
Stewart, Russell Elliott 140 W. University Ave.
Stokes, Edward Nicholas 2363 Ohio Ave.
Theis, Charles Vernon 1113 Vine St., Newport, Ky.
Townsend, Merrill Gordon, O., and 2507 Auburn Ave.
Wagner, Berzelious Stephen 215 E. 18th St., Covington, Ky.
Walker, Randall Edwin 3716 Columbia Ave.
Watts, Thomas Raymond Winchester, Ind., and 27 Lakewood Ave.
Will, Albert Henry 4415 Plainville Rd.
Williams, Harry Backus 3778 Drake Ave.
Wisbey, George Thomas 27 E. 11th St., Covington, Ky.
Woelflin, William Louisville, Ky., and 3110 Imperial St.

Pre-Juniors

Alcorn, Herbert Smead 21 Worthington Ave., Wyoming, O.
Allen, C. Easton 427 Chestnut St.
Ames, Irving Morris Newark, N. J., and 3110 Imperial St.
Arnold, Charles Frederic Harrison, O., and 3349 Whitfield Ave.
Ashton, Roland Cecil 3471 Montgomery Rd.
Bardes, Calvin Eugene 1055 Marshall Ave.
Berndt, Harry Indianapolis, Ind., and 849 Oak St.
Bertsch, Frederick William 27 Lakewood Ave.
Billard, Gordon Youngs Brooklyn, N. Y., and 344 Howell Ave.
Bradley, Eric Heywood Brooklyn, N. Y., and 1912 Young St.
Bradner, James W. Ashland, Ky., and 308 Melish Ave.
Brown, Carlton Eugene 1234 Louden Ave.
Brown, John Edgar 3425 Boudinot Ave.
Burnett, Ralph Clifford 313 Crestline Ave.
Burt, Robert Victor 3822 Drake Ave.
Caldwell, Nelson Forsyth Poinciana Apts.
Champlain, Wallace J. Walla Walla, Wash., and 2048 Auburn Ave.
Chung, Henry U. K. Hong Kong, China, and 2657 Dennis St.
Clark, Olpha Simpson Dayton, O., and 265 Emming St.
Cloys, Marion Lee 4214 34th St.
Coons, Edgar Douglas 5629 Bramble Ave.
Crain, Allan Meyer 3146 Harvey Ave.
Crane, Robert Statler Springfield, O., and 2667 Highland Ave.
Daubenbis, Norden William 2638 Dennis St.

DAVE, JOE Durham, N. C., and 3216 Burnet Ave.
DENHAM, THOMAS WYATT 3718 Columbia Ave.
DEUTSCH, ZOLA GOTTHARD 3600 Wilson Ave.
DEWEES, MERLE WENDELL Richmond, Ind., and 331 Straight St.
DODS, HENRY JOHN 6001 Kennedy Ave.
DUBRUL, STEPHEN (*CC*) 835 Beecher St.
DUNKLE, WILLIAM FREEMONT Haddonfield, N. J., and 540 W. 7th St.
DURBIN, EDWARD DAVID 314 E. University Ave.
ERNST, MAURICE ESTES 6021 Roe St.
ESHBAUGH, JESSE EVERETT Dayton, O., and 3110 Imperial St.
EUBANKS, JAMES THOMAS 1921 Hudson Ave.
EVANS, JOHN PFAFF 216 Wilmuth Ave., Wyoming, O.
FAY, EVERETT D. Woodhull, Ill., and 540 W. 7th St.
FINLEY, ROBERT EARL Nelsonville, O., and 413 Southview Ave.
FISHER, HARRY CHESTER 2276 Spring Grove Ave.
FITZGERALD, PERCY HENRY Fitchburg, Mass., and 2437 Clifton Ave.
FLEMING, THOMAS C. Butler, Pa., and 2048 Auburn Ave.
FROWE, CHESTER EDWIN 1720 Fairfax Ave.
FULLER, WILLIAM MAXWELL Lincoln, Ill., and 2437 Clifton Ave.
FULNER, RAYMOND LESLIE (*CC*) 925 Columbia St., Newport, Ky.
GEBAUER, MAX BORK 2816 Highland Ave.
GEIS, NORWOOD CHARLES 1528 Gilpin Ave.
GLEASON, JOHN FRANCIS 3118 W. 6th St.
GLICKSBERG, HYMAN ELI 5 LeRoy Court
GOLDSTEIN, REUBEN Kansas City, Mo., and 3216 Burnet Ave.
GOSS, RICHARD M. Warsaw, Ind., and 2048 Auburn Ave.
GRAVES, HERBERT CORNELIUS Washington, D. C., and 2711 Glendora Ave.
GREEN, HARRISON GATES 5639 Bramble Ave.
HALLER, KARL RAYMOND Dayton, O., and 3110 Imperial St.
HANAUER, CHARLES HUNT 1881 Taft Rd.
HARROD, JOHN MARTIN 3429 Price Ave.
HAVELAAR, WILLIAM CHARLES Paterson, N. J., and 2437 Clifton Ave.
HEDGER, HOWARD BENJAMIN Lacona, N. Y., and 2559 Fairview Ave.
HENRY, CHESTER JOEL Youngsville, Pa., and 5757 Whitney Ave.
HENTZ, ELMER GEORGE 960 Oakland Ave.
HERRLE, MAX 2314 Rohs St.
HICKS, GILBERT HENRY Takoma Park, D. C., and 2630 University Ct.
HOECK, WILLIAM THOMSON 2822 Highland Ave.
HUSUNG, JOHN LEO (*ELA*) Colorado Springs, Col., and 3110 Imperial St.
IDESON, ALISON BAPTISTE 2630 University Ct.
ISRAEL, DORMAN DANIEL Apt. Y, Hamilton Bldg.
JACOBS, GEORGE HENRY 1113 Sherman Ave.
JENKINS, RICHARD BLAKE 3517 Monteith Ave
JERVIS, THOMAS EVERETT 2325 Reading Rd.
JOHNSON, MARCUS KOHLER Cotterman Rd., Dayton, O.
JONES, GORDON MARSHALL (*ELA*) 2137 Sinton Ave.
JUERGENS, WALTER AUGUST 727 Delta Ave.
KERSTEN, AUGUST FRANK 2202 Washington Ave., Norwood, O.
KESSEL, ALBERT JOHN 2929 Sander St.
KING, WILLIAM TERRY 212 W. McMillan St.
KRAMER, HAROLD B. 945 Heaton St., Hamilton, O.
KRATT, EMIL JACOB Portland, Ore., and 2048 Auburn Ave.
KUHN, CLARENCE WILBUR California, O.
LANDIS, RUSSELL HENRY Allentown, Pa., and 192 E. McMillan St.
LANG, J. OLIVER Denver, Col., and 3110 Imperial St.
LETHERBY, ARTHUR G. 2836 Werk Rd.
LEWIS, GEORGE EDMUND Connersville, Ind., and 152 W. McMillan St.

LIDDLE, HAROLD WILLIAM 420 Reilly Rd., Wyoming, O.
LIDELL, LYLE LUCIUS Schuyler Lake, N. Y., and 3110 Imperial St.
LIEBTAG, CARL FERDINAND 5652 Bramble Ave.
LOHREY, CLARENCE ROBERT 1210 Ludlow St., Hamilton, O.
LUBIN, CLARENCE ISAAC B 10, Landon Ct.
MCCARTT, LAWRENCE Walton, Ky.
MADDUX, DWIGHT 4745 Winton Rd.
MALLIN, MILTON 891 Clinton Springs Ave.
MAXON, BRUCE E. (*ELA*) 3015 Euclid Ave.
MEHLHOPE, LINCOLN ELLIOTT 3703 Portland Ave.
MENTEL, CHARLES EDWARD Dayton, O., and 3110 Imperial St.
MILLER, HARVEY FRANKLIN 2559 Fairview Ave.
MOLLOY, JOHN ANTHONY 5101 Ravenna St.
MORGAN, HAROLD LLEWELLYN GILBERT Buffalo, N. Y., and 125 W. McMillan St.
MUTH, GEORGE HEIMERL 3259 Beresford Ave.
NEJAKO, ADAM AUGUSTINE Middletown, Conn., and 58 Hollister St.
NESPER, ORVILLE 3118 Glendora Ave.
NEWELL, GEORGE Westfield, N. Y., and 152 W. McMillan St.
NEWTON, HAROLD WILSON Elmira, N. Y., and 2521 Auburn Ave.
NOERTKER, JOSEPH ANTHONY 23 W. 11th St., Newport, Ky.
PABST, ROBERT PETER 455 S. 4th St., Hamilton, O.
PABST, WARREN JACOB Hamilton, O., and Central Y. M. C. A.
PALMER, LEWIS R. Washington, D. C., and 230 W. McMillan St.
PARKER, DAN ELLIOTT Cornell, N. Y., and 540 W. 7th St.
PATON, ALEXANDER NELSON Racine, Wis., and 54 E. McMillan St.
PERKINS, BERNARD ARTHUR Paterson, N. J., and 2651 Bellevue Ave.
PETZHOLD, JOHN BERNARD 2219 McGregor Pl.
PHILLIPS, PHILIP ELIAS 746 E. Ridgeway Ave.
PORTER, KENNETH WEBB Connersville, Ind., and 2559 Fairview Ave.
POST, ERRETT AUGUSTUS N. Chattanooga, Tenn., and 150 W. McMillan St.
QUEDENS, PETER GEORGE Blue Ash, O.
RAPPSILBER, WILLIAM REINHOLD Dayton, O., and 3110 Imperial St.
RHODES, OLIVER T. Washington, D. C., and 2630 University Court
ROSIN, ISAIAH (*ELA*) 3550 Newton Ave.
RUTH, GEORGE WASHINGTON 2487 Madison Rd.
SAMPSON, JOSEPH Fall River, Mass., and 2616 University Ct.
SCHEERING, WALTER SPENCER Shandon, O., and 127 Calhoun St.
SCHELLHAMMER, LAWRENCE WILLIAM 3444 Vine St.
SCHIERLOH, FREDERICK PHILIP 227 S. Wayne Ave., Lockland, O.
SCHINDLER, HERBERT CHARLES Dayton, O., and 152 W. McMillan St.
SCHUBERT, WILFRED GEORGE 226 E. Rochelle St.
SHARP, ROBERT KELLOGG Troy, O., and 2048 Auburn Ave.
SHAWHAN, WILLIAM HENRY 537 Sycamore St., Hamilton, O.
SHUSTER, WILLIAM WILBUR West Union, O., and 3619 Vineyard Pl.
SILVERMAN, JACK BERNARD 62 Erkenbrecher Ave.
SIMS, CHARLES RICHARD Hamilton, O., and 2559 Fairview Ave.
SLOAN, ROBERT FIELDING Charlevoix, Mich., and 308 Melish Ave.
SMITH, CHESTER MAXIMUS Middletown, O., and 3110 Imperial St.
SPAFFORD, FRED AUDREY Plainfield, Ia., and 3110 Imperial St.
SPERTI, GEORGE 120 E. 8th St., Covington, Ky.
STROBEL, HENRY JOHN 2968 Moreland St.
STUTSON, ALVERD CHANEY 62 Warwick Apts.
TAYLOR, CHARLES WILMOT 2210 Ohio Ave.
TAYLOR, ELBERT JOHN Forest Grove, Ore., and 2505 Auburn Ave.
THOMAS, CLIFFORD GLENN Maysville, Ky., and 2219 Park Ave.
THOMPSON, JAMES FRAZIER Covington, Ky., and 2210 Ohio Ave.
TODD, ROBERT MILES 4920 Stewart Pl.

Turrell, Richard Jessup 1039 Scott St., Covington, Ky.
Voelkel, William Wesley 2211 Adams Ave., Norwood, O.
Willits, Charles William Cuyahoga Falls, O., and 2417 Fairview Ave.
White, George Hawley 839 York St., Newport, Ky.
Wilson, Francis King Ottawa, Ill., and 1912 Young St.
Wolfinger, Richard G. Hagerstown, Md., and 2559 Fairview Ave.

Sophomores

Agger, Emmet Henry 1041 Clark St.
Allardice, William D. Meshoppen, Pa., and Central Y. M. C. A.
Altshool, Stuart Marx 12 Landon Ct.
Ames, Edward Butler Central Y. M. C. A.
Anderson, Lloyd Wayne Cleveland, O., and 2645 Bellevue Ave.
Anderson, Robert Watters Vermont Ave., Wyoming, O.
Andrews, John Lloyd Mansfield, O., and 44 E. McMillan St.
Appleton, Julius Garst 5859 Kennedy Ave.
Aronoff, Samuel 225 Gilman Ave.
Ashman, Arthur Benjamin Rochester, N. Y., and 125 W. McMillan St.
Bachman, Charles William 1445 Main St.
Baildon, William Breck Wilkesbarre, Pa., and 308 Melish Ave.
Barber, Edward Covington, Ky., and 2048 Auburn Ave.
Bayer, Fred J. 3564 Colerain Ave.
Becker, Walter Stanley 146 W. 74th St.
Beissman, John Bernard 209 S. 10th St., Richmond, Ind.
Benson, Kenneth Alan 3756 Edwards Rd.
Bissell, Robert Hewitt Wooster, O., and 41 E. McMillan St.
Blank, Irvin Haas Mt. Carmel, Ill., and 857 Rockdale Ave.
Blickensderfer, Robert 3145 Mapleleaf Ave.
Borden, David Mering Franklin, O.
Boyd, Thomas Dudley Hamilton, O., and 2630 University Ct.
Branch, Carter Allan 189 Progress Ave., Hamilton, O.
Bratten, Samuel Arnold Dayton, O., and 2331 Salutaris Ave.
Bream, Lloyd Ronald 114 W. St. Clair St.
Bridges, Charles Percy Indianapolis, Ind., and 116 Piedmont St.
Brinkman, Robert 24 W. 15th St.
Brown, Bennett Charles New London, Conn., and 1105 E. McMillan St.
Brunhoff, Henry Edward 215 Forest Ave.
Burghardt, George Fred Milwaukee, Wis., and 2521 Auburn Ave.
Burroway, Arthur Calvin Canton, O., and Central Y. M. C. A.
Butler, Kenneth Ford Dayton, O., and 140 W. University Ave.
Bylenga, Andrew Wolf 801 Cleveland Ave., Hamilton, O.
Cartwright, Harold Chester 1612 Gilsey Ave.
Cavagnara, Attilio Emile Middletown, Cal., and 2505 Auburn Ave.
Cavett, Edwin Shelby 4114 Forest Ave., Norwood, O.
Chalock, Jacob 1042 Seton Ave.
Clagett, Jackson Lee Faribault, Minn., and 2509 Auburn Ave.
Clark, James Montgomery Charleston, W. Va., and 2320 Nelson Ave.
Clark, Milton Walter (*ELA*) Wooster, O., and 538 Howell Ave.
Cockrell, Wayne LeRoy Dayton, O., and 2344 Clifton Ave.
Cone, Logan Jennings 220 South C St., Hamilton, O.
Crosset, Richard Boyce 2145 East Hill Ave.
Dahlquist, Herbert Anton (*ELA*) Chicago, Ill., and 308 Melish Ave.
Danner, Harlan 984 E. Third St.
Danner, Horace Newell 3309 Eastside Ave.
Darling, Kenneth Turner Preston, Minn., and 253 Hosea Ave.
Davis, Clarence Eugene Pampa, Tex., and 253 Hosea Ave.

DAY, ALLEN New Richmond, O., and 2482 Paris St.
DEWING, CHESTER LE MOIN 2126 Main St.
DRILLETTE, CARL JOSEPH Louisville, Ky., and 3125 Hackberry St.
DUFFY, CHARLES GOVON 3629 Wabash Ave.
DUFFY, JAMES RAYMOND Fall River, Mass., and 2616 University Ct.
DUNHAM, JOHN MILTON Dayton, O., and 2210 Ohio Ave.
DUNHAM, ROBERT LEE 2258 Adams Ave., Norwood, O.
DURFEE, JOHN HENRY GORDON Kansas City, Mo., and 242 McCormick Pl.
EIFERT, CARLTON BARTON 2667 Highland Ave.
EILERS, JOHN WAGNER 380 Howell Ave.
ENGLISH, JAMES EDWARD (*ELA*) Norwich, Conn., and The Fenwick Club
ERNST, ALBERT EDWARD 1714 Vine St.
EVANS, CHARLES MACMILLAN 2268 Washington Ave., Norwood, O.
EVANS, ROYCE 2311 Nelson Ave.
FAGALY, JOSEPH JENNINGS North Bend, O., and 2519 Stratford Ave.
DOERLER, ALBERT J. 523 Hickman Ave.
FARBACH, RICHARD Glencoe Hotel
FARR, ALFRED ERNEST Chautauqua, N. Y., and 255 Hosea Ave.
FENDLER, LOUIS ARTHUR Indianapolis, Ind., and 849 Oak St.
FERTIG, EARL ANDREW Indianapolis, Ind., and 116 Piedmont St.
FIELDS, WILLIAM STERLING 536 Howell Ave.
FIELMAN, WALTER ERNST MARTIN (*ELA*) 2519 Vine St.
FISCHER, ROBERT WILKE 3127 Harvard Ave.
FLEMING, RUSSELL CLARK (*ELA*) Moores Hill, Ind., and 2344 Clifton Ave.
FORD, WILLIAM FRANCIS Calistoga, Cal., and 2505 Auburn Ave.
FRANCIS, MORTON PHILIP Pontiac, Ill., and 3330 Jefferson Ave.
FRATZ, ARTHUR JOSEPH 4075 W. 8th St.
FREY, ARWIN PHILIP 2051 Courtland Ave., Norwood, O.
GALLOWAY, CLIFFORD HERSCHEL Barnsville, O., and 2300 Rohs St.
GATES, BOYNTON 1314 Michigan Ave.
GEER, ELIHU Hadlyme, Conn., and 3654 Edwards Rd.
GEIST, ROBERT MAITHRE 3228 Bishop St.
GINN, CHARLES HENRY North Platte, Neb., and 536 Howell Ave.
GLASGOW, CHARLES JAMES 5307 Tompkins Ave.
GOODE, CHARLES S. 166 W. McMillan St.
GORDON, SAMUEL MORRIS Marleboro, N. J., and 2667 Highland Ave.
GRADISON, JULIUS TUROFF North Bend Rd.
GRAY, LEVEN DARBY Ferris, Tex., and 150 W. McMillan St.
GROVES, JOHN FREDERICK Dayton, O , and 2210 Ohio Ave.
GUNTHER, HAROLD LESLIE Paterson, N. J., and 2616 University Ct.
HAGE, ARTHUR WILLIAM 265 N. F St., Hamilton, O.
HARDISTY, FRANK EDWARD 1211 Herschel Ave.
HARMAN, RALPH DEWEY DuBois, Pa., and 111 E. Auburn Ave.
HARRELL, CHARLES ADAIR Central Y. M. C. A.
HARTUNG, RAYMOND HENRY 112 E. Charlton St.
HASLUP, ROBERT EMANUEL Osborn, O., and 3110 Imperial St.
HEEB, IRVING ADOLPH 2907 Burnet Ave.
HENRY, HOWARD CARROLL 5307 Tompkins Ave.
HERBST, HOWARD DOUGLAS 3302 Harrison Ave.
HERMANN, JOE MARC 1604 Chase Ave.
HESS, RALPH EDWARD (*CC*) 645 Riddle Rd.
HICKS, HAROLD WHEELER Takoma Park, Md., and 2630 University Ct.
HILL, HAROLD SHIELDS 6828 Indian Hill Ave.
HOBBS, ROSSITER HOPKINS 2207 Cameron Ave., Norwood, O.
HUERKAMP, EDWARD CHARLES 866 Rockdale Ave.
IRELAND, FREDERICK ELLSWORTH 121 E. University Ave.
JAMES, EDWIN 1728 Freeman Ave.

JANES, EDWIN ROTH New Albany, Ind., and 2509 Auburn Ave.
JARMAN, JOHN THADDEUS Kasson, Minn., and 2437 Clifton Ave.
JOHNSON, DARRYL WRIGHT 2875 E. Montana Ave.
JUDGE, JOSEPH DONALD 127 Hueston St., Hamilton, O.
KARCH, HERBERT (*ELA*) 4634 Main Ave., Norwood, O.
KEITH, ADOLPHUS BRADLEY (*ELA*) Holly, Col., and 849 Oak St.
KELLER, THEODORE ELDON Muskagee, Okla., and 2605 Eden Ave.
KEMMNER, ARTHUR CHARLES Bloomfield, N. J., and Central Y. M. C. A.
KIEFNER, EDWIN LUCKEY Perryville, Mo., and 3411 Clifton Ave.
KINNEY, WILLIAM ANTHONY 412 Worthington Ave., Wyoming, O.
KIRBY, RALPH LEONARD Dayton, O., and 152 W. McMillan St.
KNOOP, HERBERT DOW 944 E. McMillan St.
KOHLER, ALBEN Montgomery, Ala., and 3216 Burnet Ave.
KUNTZ, JOHN LOWELL 568 Maple Ave., Arlington Heights, O.
LANDER, LAWRENCE C. Dayton, O., and 3430 Brookline Ave.
LARSON, EDWARD St. Croix Falls, Wis., and 2507 Auburn Ave.
LAY, LOUIS WILLIAM Indianapolis, Ind., and 443 Riddle Rd.
LEWIS, KARL EWART 1222 Inglenook Pl.
LINCKE, HENRY WILLIAM Waterloo, Ont., Canada, and Univ. Y. M. C. A.
LISTERMAN, WILLIAM ANTHONY 266 Van Voast Ave., Bellevue, Ky.
LOUIE, DIP (*ELA*) Kwongtong, China, and Central Y. M. C. A.
LUDWIG, KARL FRANK 2729 Ruberg Ave.
MCANDREWS, ANTHONY FRANCIS Indianapolis, Ind., and 849 Oak St.
MCDERMOTT, JOHN RUSSELL Middletown, O., and 2536 Auburn Ave.
MACLAURIN, WILLIAM MOFFETT Dallas, Tex., and 46 Lakewood Ave.
MCNABB, HAROLD ROBERT Decatur, Ill., and 413 Southview Ave.
MCWHORTER, WILLIAM THOMAS Fairmount, W. Va., and Baxter Ave.
MARIEN, JOHN AUGUST 2026 Crown Ave., Norwood, O.
MARSHALL, JAMES EDGAR Hamilton, O., and 2358 Stratford Ave.
MASON, CHARLTON MERRIMAN Fond du Lac, Wis., and 3110 Imperial St.
MATTHEI, ROBERT Woodstock, Ill., and 308 Melish Ave.
MEEK, HOWARD Louisville, Ky., and 3445 Cornell Pl.
MILTHALER, WILLIAM CHRIS Dayton, O., and 127 Calhoun St.
MITTENDORF, WILLIAM EBERHARDT 3508 Trimble Ave.
MOORE, GEORGE FRANCIS 38 St. Leger Apts.
MOORE, WILLIAM MORTIMER 239 Kearney Ave.
MORRIS, DONALD Bellefontaine, O., and 238 McCormick Pl.
MORRIS, WILLIAM STANLEY Dayton, O., and 2507 Auburn Ave.
MORRISSEY, JOHN FRANCIS Fall River, Mass., and 2616 University Ct.
NELSON, HAVELOCK DAVID Springfield, O., and 2630 University Ct.
OBERWARTH, LEO EDWIN Frankfort, Ky., and 46 Lakewood Ave.
ORNES, CONRAD LAWRENCE 6205 Ridge Ave.
OUTCALT, GEORGE W. 2630 Stanton Ave.
PAHREN, HERBERT STEVEN 382 Terrace Ave.
PFEFFERLE, GEORGE HENRY Appleton, Wis., and 2509 Auburn Ave.
POHNDORF, AUGUST PETER Butte, Mont., and 152 McMillan St.
POSEY, IRVING Y. Phoenix, Ariz., and 168 Wheeler St.
POORMAN, JOEL 1357 Delta Ave.
RAFSNIDER, LOWELL BRUCE Elwin, Ill., and 2366 Flora St.
REINHART, RALPH Dayton, O., and 2419 Moerlein Ave.
REIS, JOSEPH 2603 Knorr Ave.
RENGERING, WILLIAM ANTHONY 37 Glencoe Pl.
RICHEY, GUY VERNON 4811 Winton Rd.
RICHMOND, HARRY STANLEY Dayton, O., and 2509 Auburn Ave.
RICHTER, WALTER ROBERT 220 E. Rochelle St.
ROBERTSON, CHESTER LANSING Berea, Ky., and 136 W. McMillan St.
ROCKHOFF, JOSEPH 1563 N. Euclid St., Dayton, O.

ROLAND, ROBERT JOHN Richmond, Ind., and 127 Calhoun St.
ROMANOWITZ, H. ALEXANDER 131 Parkway, Covington, Ky.
ROSS, WILLIAM HEARNE Moyer Pl
ROTE, ROBERT FAYETTE Greenville, Pa., and 70 Ehrman Ave.
ROTH, EDWARD LOUIS 57 Corry St.
RUSSAK, ALBERT ISAAC Muskogee, Okla., and 427 Rockdale Ave.
SANER, FRANK J. 648 Delhi Ave.
SAURER, HAROLD RALPH Richmond, Ind., and 331 Straight St.
SCHEBRAT, THEODORE HERBERT Petoskey, Mich., and 2509 Auburn Ave.
SCHRAMM, HENRY WALTER Canton, O., and Central Y. M. C. A.
SCHREINER, WILLIAM JOSEPH 329 Albany Ave.
SCHROTH, HORACE PHILIP 3662 E. Herbert Ave.
SCHUBERT, ARTHUR WILLIAM 226 E. Rochelle St.
SCHUCK, CLEMENT J. (*ELA*) Harrison, O., and 2620 May St.
SCOFIELD, GEORGE VINCENT Los Angeles, Cal., and 3851 Vine St.
SCOTT, ROBERT CLYDE 540 W. 7th St.
SEARLES, GLENN LARREN Fond du Lac, Wis., and 3110 Imperial St.
SEIFERT, OLIVER WILLIAM La Fayette Ave., Clifton
SHAFER, LEWIS WELLS 253 Hosea Ave.
SHAW, JULIAN CLARK 1515 Blair Ave.
SHAW, REED AUGUSTUS Middletown, O., and 2344 Clifton Ave.
SHIELDS, WILLIAM HENRY 2303 Ashland Ave.
SIGMON, ARVIL CHESTER Dayton, O., and 2509 Auburn Ave.
SIMS, WILLIAM THOMAS 807 Buckeye St., Hamilton, O.
SLONEKER, KENNETH AUGSPURGER Hamilton, O., and 88 McMillan St.
SMITH, GRAFTON ALLEN Kansas City, Mo., and 222 McGregor Ave.
SOLLER, ARNOLD (*ELA*) 2515 Talbott Ave.
STAMPER, GARLAND Hindman, Ky., and 2507 Auburn Ave.
STEELE, WILLIAM GRAFTON Wheeling, W. Va., and 309 Ludlow Ave.
STEINKAMP, ALBERT JOSEPH 912 Suire Ave.
STEMBEL, DAVID MAYNARD Silver Grove, Ky., and 2667 Highland Ave.
STERMAN, ALVIN JOHN 2888 Cormany Ave.
STEVENS, JOSEPH HYLAND Richmond, Ind., and 849 Oak St.
STEVENSON, ROBERT KENNEDY 213 Buckeye St., Hamilton, O.
STRYKER, RALPH MANEVAL Williamsport, Pa., and 2521 Auburn Ave.
SUDHOFF, EDMUND ARTHUR 2344 Clifton Ave.
SUHRE, ARTHUR ERNST 1120 Poplar St.
SWEENEY, DANIEL JOSEPH Dayton, O., and 3430 Brookline Ave.
THUMA, BURTON DOAN 1016 Valley Lane
TORBETT, OLIVE CASS 223 McCormick Pl.
TSE, TSOK CHOY (*ELA*) Kwangtung, China, and 538 Howell Ave.
UNDERHILL, CHARLES REGINALD New Haven, Conn., and 538 Howell Ave.
VAN WYE, RALPH ANDERSON 108 Mason St.
VOLLBRECHT, JUSTUS THOMAS 331 N. 10th St., Hamilton, O.
WAHL, CLIFFORD JOSEPH 3954 Spencer Ave., Norwood, O.
WALLACE, HENRY MILTON Ashville, N. Y., and 3521 Clifton Ave.
WALTHER, ALBERT DONALD Marshall, Tex., and 212 W. McMillan St.
WASMER, CLARENCE THEODORE 1730 Pell St.
WEIL, SIDNEY PHILIP Brooklyn, N. Y., and 2507 Auburn Ave.
WIDMAN, ALBERT CARL 1616 Laidlaw Ave.
WILKERSON, CLAUDE CRAWFORD Covington, Va., and 2437 Clifton Ave.
WILLIAMS, STANLEY E. 2344 Flora St.
WILLIMAN, GEORGE L. 215 N. "E" St., Hamilton, O.
WITTLINGER, LEONARD MCLANE 47 Portland Ave., Dayton, O.
WOODSIDE, MATTHEW NEVIN (*ELA*) 424 Elizabeth St.
WYATT, ARTHUR G. Prospect, O., and 231 McGregor Ave.
ZIEGLER, RALPH JOHN 104 W. McMillan St.

Freshmen

ABEGGLEN, ELMER HERMAN 1021 W. Liberty St.
ALEXANDER, RALPH THOMAS 126 Winkler St.
ALEXANDER, ROY WILLIAM 126 Winkler St.
ALTHERR, FRANKLIN BERNARD 4330 Tower Ave., St. Bernard, O.
ALSTAETTER, HAROLD ELMER Middletown, O., and 2507 Auburn Ave.
AMICK, RICHARD WALLACE 195 E. McMillan St.
ANDERSON, HAROLD GRANT Falconer, N. Y., and 223 McCormick Pl.
ANDREWS, OREM CARLETON 639 E. Epworth Ave., Winton Pl.
APPLEGATE, EUGENE LE MERLE Jeffersonville, Ind., and 647 Crown St.
ARMSTRONG, CHARLES JOHN Canton, O., and Central Y. M. C. A.
ARNOLD, CHARLES LESTER Bellefontaine, O., and 140 W. McMillan St.
ARNOLD, WALTER PAUL 1667 Harrison Ave.
ASHMAN, GEORGE WILLIAM Osgood, Ind., and 1901 State Ave.
ATHERTON, CHARLOTTE MOORE 721 E. McMillan St.
AVERMAAT, LESTER AUGUST 3000 Henshaw Ave.
AXELROD, MAURICE Marietta, O., and 853 Windham Ave.
AYLWARD, THEODORE CHARLES Robson Ave., Ft. Thomas, Ky.
BACHER, CLARENCE ARTHUR Dayton, O., and 3110 Imperial St.
BACKUS, CARL WILLIAM 2201 Nelson Ave.
BAKER, PAUL THEODORE Winchester, Ind.
BALLARD, DANA W. Jamestown, N. Y.
BARBER, H. LYNNE 3153 Linwood Rd.
BARD, LOSSEN ALFRED 408 New St., Piqua, O.
BAROCIO, VICTOR MANUEL Monterey, Mex., and 2709 Ashland Ave.
BATSON, BENJAMIN ARTHUR Keensburg, Ill., and 309 Ludlow Ave.
BEISER, CLARENCE R. 662 East Ave., Hamilton, O.
BERNING, CLETUS FREDERIC 1140 Cedar Ave.
BERRY, JAMES MORRIS 20 W. Villa Pl., Ft. Thomas, Ky.
BEVIS, FLOYD EMERSON R. R. No. 1, Cleves, O.
BIDDLE, WILLIAM GEORGE Dayton, O., and 230 W. McMillan St.
BIEHN, FLORENCE OLEN Georgetown, O., and 2344 Clifton Ave.
BIEN, JOHN A. 3026 Woodburn Ave.
BIRD, LEON FREIS 54 Highland Ave., Ft. Thomas, Ky.
BLACKFORD, ROGER WILLIAM 441 Woodlawn Ave., Middletown, O.
BLANCHARD, TOWNSEND 4621 Mitchell Ave.
BLOCKSOM, DUTRO 3350 Woodburn Ave.
BOLTE, HAROLD F. 1907 Mentor Ave., Norwood, O.
BONE, CHARLES HAROLD Lebanon, O.
BOSCH, LESTER LOUIS 5499 Attica Ave.
BOWEN, JOSEPH WALKER 3745 Edwards Rd.
BOWLES, HARRISON CONNOLLY Pikeville, Ky., and 2382 Wheeler St.
BOYD, ALAN ROCKWELL Washington, D. C., and 620 Probasco St.
BOYER, WILLET ALBRIGHT Weirsdale, Fla., and Central Y. M. C. A.
BRADNER, GEORGE HENRY Ashland, Ky.
BRINKMAN, HERBERT CHARLES 24 W. 15th St.
BROCKMAN, GILBERT WILLIAM 522 Riddle Rd.
BROWN, RICHARD AMBROSE Hubbard, O., and 3525 Biddle St.
BROWN, WALTER BECKWITH Dayton, O., and 2357 Wheeler St.
BRUCK, FRED 4323 Brownway Ave.
BRUNKE, HOWARD North Bend and Banning Rds.
BUCKMASTER, HAROLD FRANKLIN Montpelier, Ind., and Central Y. M. C. A.
BUEHL, RALPH LEISNER 681 Franklin St., Hamilton, O.
BURCH, WALTER J. Montgomery, Ala., and 3131 Burnet Ave.
BURT, EVERETT 3822 Drake Ave.
BURTNER, FRANK CHARLES West Alexandria, O., and 2358 Stratford Ave.

Bush, Hollis Harold Davenport, Ia., and 2437 Clifton Ave.
Butterfield, Clarence Hughes Middletown, O., and 2507 Auburn Ave.
Button, Charles Titsworth Riverside, Cal., and 3343 Sherlock Ave.
Campbell, John Colin 3349 Fairfield Ave.
Campbell, John Rutherford Westfield, N. Y., and 2559 Fairview Ave.
Carney, Vincent Paul 1707 Highland Ave.
Catania, Anthony M. Westfield, N. Y., and 2559 Fairview Ave.
Catlin, Roland Shimmay Rockford, Ill., and 230 W. McMillan St.
Cavett, Lloyd Palmer Wyoming, O., and 4253 Chambers St.
Chabot, Howard Alva Portsmouth, O., and 2559 Fairview Ave.
Chang, Chi Kao Meookdru, China, and 139 University Ave.
Chapman, John Floyd 4741 Gurley Rd.
Clark, William Arthur 2405 Auburn Ave.
Clauss, Charles John 3122 Hackberry St.
Cobb, Wayne Temple 3525 Myrtle Ave., Covington, Ky.
Cole, Lynn Nelson Brookings, S. D., and 2433 Ohio Ave.
Coleman, Orville Kurtz Cecelia, Ky., and 1025 Seton Ave.
Collins, Melville George 220 Southern Ave.
Collins, Willard Murphy Kings Mills, O., and 647 Crown St.
Combellick, Edgar Thomas La Crosse, Wis., and 3063 Markbreit Ave.
Congleton, Ray Thomas Taylorsville, Ky., and 260 Calhoun St.
Conklin, George R. Poughkeepsie, N. Y., and 359 Ludlow Ave.
Conrad, Caractacus C. Marble Hill, Mo., and 2509 Auburn Ave.
Conrad, Dewey Perryville, Mo., and 2509 Auburn Ave.
Cooley, Charles Stewart 3030 Montana Ave.
Crane, Paul Willard 2323 Grandview Ave.
Crawford, Charles Geran 7 Davis Apts., Hamilton, O.
Crawford, Guy Colson, Ky., and 2507 Auburn Ave.
Creighton, Thomas Clair B. Altoona, Pa., and 2521 Auburn Ave.
Cuthbertson, Charles Harold 3117 Harvard Ave.
Dahlke, Homer Oscar 3454 Vine St.
Damus, Eric 216 Dorchester Ave.
Dassell, Horace Werner 5602 Ridge Ave.
Davidson, Earl Gilbert Wilmer, Tex., and 168 Warner St.
Dawson, Raymond Edward 1373 Myrtle Ave
Dill, Bertram Francis Brocton, N. Y., and 2559 Fairview Ave.
Distler, Edward Seymour 207 Crescent Ave., Wyoming, O.
Dodds, Earle Fearnley Leland and Portland Aves.
Duff, Cecil M. Flora, Ill., and 312 Straight St.
Dufenbach, Paul Ernest Kokomo, Ind., and 2140 St. James Ave.
Duffy, Eugene Barstow 3629 Wabash Ave.
Dunbar, Frank B. Prospect, O., and 88 W. McMillan St.
Duncan, John Leslie San Anselmo, Cal., and 2352 Ohio Ave.
Dunham, Taylor Holmes 318 Grafton Ave., Dayton, O.
Durham, Samuel M. 307 Ludlow Ave.
Durkin, Charles Howard 430 Dayton St.
Dvorak, Ladislav Anton Green Bay, Wis., and No. 2 The Roslyn Apts.
Eickelberger, Thomas Fair Ave., Hamilton, O.
Eisele, Anton Joseph Milford, O., and 1533 Chapel St.
Elberty, Robert Sprout East Orange, N. J., and 2433 Ohio Ave.
Evans, Alfred Harris 32 Navarre Apts.
Everhard, Joseph Ellsworth 3334 Columbia Ave.
Fahey, Thomas Aloysius Congress Ave., Glendale, O.
Fehl, Norman 3160 Linwood Rd.
Flinchpaugh, Otis Burton 3030 Junietta Ave.
Folger, Donald Louis 4110 Floral Ave., Norwood, O.
Force, William Black Ft. Thomas, Ky.

FOREMAN, ROBERT TRAWICK 1515 Madison Ave., Covington, Ky.
FOWLER, RALPH WALDO W. Palm Beach, Fla., and 2378 Flora St.
FOX, FRED Greenfield, O., and 2358 Wheeler St.
FOX, GEORGE ALOYSIUS 2348 Kemper Lane
FOX, MARION Franklin, O., and 2507 Auburn Ave.
FOY, EVERETT DEWEY Woodhill, Ill., and 540 W. 7th St.
FRAINE, HAROLD GEORGE Dayton, O., and 150 W. McMillan St.
FRITSCH, JULIUS The Fenwick Club
FULLER, DOUGLAS K. Dayton, O., and 140 W. University Ave.
GAETZ, DELMORE W. 2608 Ada Ave,, Norwood, O,
GAST, CERYLE BURDELL 231 McGregor Ave.
GAY, WENCHELL MARQUE 536 Howell Ave.
GEIST, CHARLES EDWARD 3228 Bishop St.
DEL GROSSA, GERARD 1407 Clay St.
GIALDINI, BRUNO THOMAS Sayre, Pa., and 70 Ehrman Ave.
GILLIS, KATHRYN MELISSA 1305 Locust St.
GLASGOW, RUSSELL LOWELL 803 Crown St.
GOATLEY, BERT MCCARTY Equality, Ill., and 309 Ludlow Ave.
GOLDSTEIN, RALPH 3961 Lowry Ave.
GORMAZ, DANIEL FUENTES Santiago, Chile, and 2709 Ashland Ave.
GOTTSCHALL, JULIUS HENRY 1754 Sycamore St.
GRAHAM, THOMAS LEONARD Saskatchewan, Canada, and Central Y. M. C. A.
GRAUER, RALPH PIEFFER Springfield, O., and 54 W. McMillan St
GREEK, JAMES Celina, O., and 309 Ludlow Ave.
GREEN, OTIS THATCHER Ocala, Fla., and 250 Senator Pl.
GREENBERG, ELBERT 3591 Wilson Ave.
HALL, WALKER P. Dexter Pl.
HALLET, THOMAS WILLARD 128 Foote Ave., Bellevue, Ky.
HALLET, WILLIAM ARTHUR Buffalo, N. Y., and 125 W. McMillan St
HAMBLIN, ARTHUR Grand Rapids, Mich., and 40 E. McMillan St.
HAMER, FRED SAMUEL Johnstown, Pa., and 70 Ehrman Ave.
HANNOLD, JOSEPH WILLIAM 4825 Eastern Ave.
HANSELL, HOWARD FOSTER Middletown, O., and 88 W. McMillan St.
HARDING, GEORGE HASKINS Mason, O., and Central Y. M. C. A.
HARDING, JACK ROBERT Lincoln and Stanton Aves.
HAUCK, CARL EMIL JOHN 357 Thrall Ave.
HAY, MYRTLE MARIE Sekitan, O.
HEILEMAN, CHARLES RICHARD 3907 Huntington Ave., Covington, Ky.
HENNEQUIN, JOHN HARRY Saskatoon, Sask., and 2315 Sauer Ave.
HENSEY, MELVILLE DONALD Washington, D. C., and 620 Probasco St.
HENSLEY, ERNEST SHELBY Ocala, Fla., and 250 Senator Pl.
HERMAN, THOMAS WILLIAM (*ELA*) 717 Gholson Ave.
HERRLINGER, HOWARD JOHN 3615 Shaw Ave.
HERTSTEIN, FRANK CHRISTIAN 4226 Badgley Ave.
HICKS, CLARENCE FOREMAN 961 E. McMillan St.
HILL, FRANK DENMAN Toledo, O., and 424 Straight St.
HILL, HORACE PERCIVAL Indianapolis, Ind., and 424 Straight St.
HILLMAN, EARL STUART Washington, D. C., and 620 Probasco St.
HIRSCHFELD, OSCAR WILLIAM 1036 Straight St.
HOBBS, GEORGE HENRY 126 E. 69th St.
HODTUM, CLARENCE WILLIAM 416 Milton St.
HOFFMAN, EDSON ALLEN Waldemar Apts.
HOFFMAN, ROBERT BECKER 401 Millville Ave., Hamilton, O.
HOISINGTON, PERRY FRANK Miles, Mich., and 2330 Wheeler St.
HOLDT, PAUL Rugby Rd.
HOLMES, ARTHUR WELLINGTON 3231 Vine St.
HOLT, ANDREW E. Weston, W. Va., and 2398 Wheeler St.

HOPKINS, DAVID GORDON Greenville, Pa., and 70 Ehrman Ave.
HOPPER, RICHARD GORRELL McComb, O., and 1912 Young St.
HOWARD, HAROLD TRACY Monossen, Pa., and 647 Crown St.
HUBER, ELMER JOHN HENRY Indianapolis, Ind., and 849 Oak St.
HUFF, ROBERT VALENTINE 3560 Monteith Ave.
HUMES, RALPH EUNIS Springfield, O., and 2315 Sauer Ave.
HUMMEL, CARL CLIFFORD 12 W. Charlton St.
HUMPHREY, NAYLOR BRYAN Wickliffe, Ky., and L. B. Harrison Hotel
HUMPHRIES, PAUL KENNETH Hillsboro, Ill., and 421 Washington Ave., Lockland, O.
HUNT, ALLYN HUBBARD 5405 Whetsel Ave.
HYNES, ROBERT DANIEL Indianapolis, Ind., and 1831 Brewster Ave.
INGALLS, PHINEAS HARVEY Roswell, N. M., and 2521 Auburn Ave.
IRWIN, HARRY WHITSTONE Villa Place, Ft. Thomas, Ky.
IRWIN, LUTHER WESLEY 620 Probasco Ave.
JACKMAN, EARL Hamilton, O.
JACQUES, NORMAN GEORGE Dayton, O., and 2521 Auburn Ave.
JANSON, NICHOLAS A. 3055 Cleinview Ave.
JOHNSON, MERLYN GUY Armstrong, Ia., and 125 W. McMillan St.
JOHNSTON, NORMAN M. 1305 McPherson Blvd., Fremont, O.
KAI, TAU CHIN Mukden, China, and 2657 Dennis St.
KAIN, ELDON WILLIAMS 4742 Eastern Ave.
KAUFMAN, CARROLL HENRY Dayton, O., and 227 Lyon St.
KEACH, DWIGHT T. Wilmington, O., and Central Y. M. C. A.
KECK, WILLIAM LOUIS 3737 Andrew Ave.
KEHM, CHARLES WENTZ 121 E. 69th St.
KEIGWIN, HENRY SAFFORD Mt. Vernon, N. Y., and 1912 Young St.
KELLY, GEORGE A. 220 Lyon St.
KENNAUGH, WILLIAM REECE Ishpeming, Mich., and 249 Albion Pl.
KENNEL, JOSEPH PHILIP Bridgeport, Conn., and 125 W. McMillan St.
KENNY, GEVES GEORGE Central Y. M. C. A.
KETCHEM, EDWARD RALPH 242 N. "E" St., Hamilton, O.
KIESEL, THEODORE CROUTER Washington, D. C., and The Roanoke
KILBOUGH, OWEN D. Central Y. M. C. A.
KIMBLE, MURRAY WILSON 434 Wyoming Ave., Lockland, O.
KING, GEORGE DAWSON 2215 Broadway, Indianapolis, Ind.
KINZBACH, WILLIAM 52 W. St. Clair St.
KNIERIM, VINCENT LEROY Dayton, O., and 230 W. McMillan St.
KNOBLAUGH, ARMAND FRANKLIN Howland Pl.
KOEPPE, CARL WILLIAM 715 Clark St.
KOPF, WILLARD O. New Briton, Conn., and 2437 Clifton Ave.
KRAUS, PICKARD HERMAN Youngstown, O., and 3623 Stettinius Ave.
KRAUSSER, JOHN WILLIAM 546 W. 12th St., Covington, Ky.
KREIDLER, WILLIAM HASTINGS 3616 Trimble Ave.
KUEHNLE, GEORGE JOHN 156 Woolper Ave.
KUHN, CHARLES HENRY R. R. No. 1, California, O.
LACKEY, WILLIAM JEFFERSON San Antonia, Tex., and The Roanoke
LAMBERT, ARTHUR VICTOR 307 Emming St.
LAMPE, GEORGE JACOB 809 Overton St., Newport, Ky.
LANE, MAURICE WARD Genesee, Ill.
LANG, HAROLD CLYDE Clarksburg, W. Va., and 2326 Auburn Ave.
LANGE, WILLIAM J. 1310 Ernst St.
LANTZ, NELSON BENJAMIN Dayton, O., and 2419 Moerlein Ave.
LASHBROOK, WILLIAM GRAHAM 5443 Madison Rd.
LATIMER, CHARLES YEATMAN Oakdale, Tenn.
LAYRITZ, HAROLD HENRY 2269 Harper Ave., Norwood, O.
LEROY, JAMES ALFRED Washington, D. C., and 620 Probasco St.
LEWIS, GEORGE EDWARD National Bank Bldg., Norwood, O.

Lillie, Frances Theodore Washington, D. C., and 2651 Bellevue Ave.
Liu, Kua Chen Pasting, China, and 2724 Sander St.
Loeb, Christopher Jacob 1415 Marlowe Ave.
Lohman, Charles Joseph 176 Church St., St. Bernard, O.
Long, John Marshall Charleston, Ind., and 2667 Highland Ave.
Lonney, William Hugh Franklin 2618 Hemlock St.
Loomis, Orval Visalia, Ky., and 1432 Chase Ave.
Lothes, Paul 2371 Rohs St.
Lotz, Ralph Gorman 114 E. Jackson St., Loveland, O.
Ludwig, Charles Philip Terrace Park, O.
Luecke, Herschel Theador 7 Park Row
McBeth, Alva Gerald 3721 Columbia Ave.
McBeth, Harry Raymond 3721 Columbia Ave.
McCann, Robert John La Crosse, Wis., and 3063 Markbreit Ave.
McCord, Kirby Feemster 6216 Erie Ave.
McDonald, Robert Henry 1817 Clarion Ave.
McFall, James Clement 620 Central Ave., Hamilton, O.
McFarlan, Ruth 4755 Main Ave., Norwood, O.
McNutt, Clyde 321 Mill St.
McPeck, George Frederick Bellefontaine, O., and 2651 Bellevue Ave.
Maddux, Harry Bruce 2278 Buxton Ave., Norwood, O.
Marquardt, George William Henry Martins Ferry, O., and 2521 Auburn Ave.
Maynard, Margaret Middletown, O., and 28 High St., Covington, Ky.
Meikle, William Richard Lancaster, O., and 409 Southview Ave.
Meininger, Julius 1420 Chase Ave.
Melville, Charles J. Sherman and Sheridan Aves., Ft. Thomas, Ky.
Messler, Arthur E. 412 E. 5th St.
Meyer, Raymond Anthony 936 Fillmore St.
Meyers, Maxwell 108 Malvern Pl.
Meyerson, Sidney L. Huntington, W. Va., and 2516 Burnet Ave.
Miller, James William 1331 Broadway
Miller, Lawrence 2217 Kemper Lane
Miller, Ralph Alexander 249 Albion Pl.
Miller, Samuel John Westfield, N. Y., and 2559 Fairview Ave.
Moffett, Paul Eugene 10 Glencoe Pl.
Moore, Edward Kenneth New Albany, Ind., and 728 E. McMillan St.
Morris, Ray Marcellus 1633 Pullan Ave.
Moritz, Howard Gibson Portsmouth, O., and 2552 Fairview Ave.
Mowlds, Eugene Edge Moor, Del., and 3343 Sherlock Ave.
Mueller, Wesley John Milwaukee, Wis., and 2329 Flora St.
Muntz, Kenneth Hollis Greenville, Pa., and 70 Ehrman Ave.
Myers, Walter Franklin Niles, Mich., and 2330 Wheeler St.
Naberhaus, Laurence Henry 3425 Brookline Ave.
Nichols, Joseph Abner Kentwood, La., and 2385 Wheeler St.
Nichols, Wesley Ward Palatine, Ill., and 3430 Brookline Ave.
Noble, Tudor O. 2704 Hackberry St.
Norell, Elmer G. Rockford, Ill , and 230 W. McMillan St.
Norris, Helen Mercy 3734 Eastern Ave.
Northcutt, Lulu Agnes 107 E. 18th St., Covington, Ky.
Oberschmidt, Carl Fred 2515 Addison St.
O'Brien, Edward Joseph Fall River, Mass., and 124 Lyon St.
O'Donnell, Howard Benjamin Franklin, O., and 2507 Auburn Ave.
Owens, Carl Prentzel Glenside, Pa., and 2433 Ohio Ave.
Pabst, Herbert Hamilton, O., and Central Y. M. C. A.
Paisley, James Robert 111 E. Auburn Ave.
Palmer, Lloyd Kenneth 227 Lyon St.
Packer, Harold Newton Georgetown, O., and 2417 Fairview Ave.

PARRY, WILLIAM RICHARD 928 Nassau St.
PEEBLES, WALTER SCOTT 623 E. 9th St., Newport, Ky.
PEI, LIN KUANG Mukden, China, and 2657 Dennis St.
PFIRRMAN, WILLIAM JOHN 1012 Reservoir Rd., Newport, Ky.
PHILLIPS, RICHARD FULNER 83 Highland Ave., Ft. Thomas, Ky.
PICKERING, EDWIN LORIN Blenheim, Ont., Canada, and 4145 Hamilton Ave.
PICTON, JOHN MOORE Nashville, Tenn., and 2221 Nelson Ave.
PORTER, JOHN FRANCIS 3321 Ruther Ave.
POTTS, BENJAMIN FRANKLIN Rockhill Furnace, Pa., and 2433 Ohio Ave.
POYTHRESS, JOHN DOUGLAS Dallas, Tex., and 2210 Ohio Ave.
PRATT, MARCUS SOUTHWORTH 3063 Markbreit Ave.
PRAY, ROBERT CRAFTS Williamsport, Pa., and 2419 Moerlein Ave.
PRICE, CHARLES JOHN 2743 Oakley Ave.
PRICE, EDWIN LEWIS 32 Hereford Ave.
PROCTOR, RALPH W. Indianapolis, Ind., and L. B. Harrison Hotel
QUACKENBUSH, CECIL RHODES 103 Davis St., Lockland, O.
RAHFUSE, RALPH ARLO West Chester, O., and 819 Dayton St.
RANKIN, CARL STEPHEN 4115 Grove Ave., Norwood, O.
REEVE, GEORGE ALFRED Middletown, O.
REIK, EUGENE 27 Southgate Ave., Ft. Thomas, Ky.
REINHARDT, FRED CARL 4365 Eastern Ave.
RIBAR, LOUIS JOHN 908 Central Ave., Hamilton, O.
RICHARDS, EDWIN NEEPER Clarksburg, W. Va., and 340 McGregor Ave.
RICHMAN, GEORGE W. Rochester, Minn., and 2315 Sauer Ave.
RIEGE, PAUL EMERSON Dayton, Ky., and 416 E. 5th St.
ROBB, WELDON FERDINAND Fredericktown, O., and 39 W. McMillan St.
ROBBINS, WILLIAM NILES Lorain, O., and 3330 Jefferson Ave.
ROBINSON, RALPH MERSMANN 2829 Victoria Ave.
ROHMAN, PAUL J. 101 Parkway
ROLLWAGE, EDGAR ALFRED 3227 Jefferson Ave.
ROMAINE, WILLIAM WORTHINGTON 924 Windsor St.
RONSHEIM, HERMAN 542 Stewart Pl.
RUMER, ARTHUR WEIDNER Dayton, O., and 227 Lyon St.
RUSCHER, JOHN JOSEPH 236 Helen St.
SADLER, LEWIS LAMONT 1838 North Bend Rd.
SANDERS, RUFUS BOTELER Jamestown, O., and 2507 Auburn Ave.
SAUNDERS, RICHARD 1336 Duncan Ave.
SCHAFER, ELWOOD E. Cumberland, Md., and 409 Southgate Ave.
SCHAEN, RUBY 437 Forest Ave.
SCHEIDT, CARL Mt. Healthy, O., and 2350 Auburn Ave.
SCHEUER, EDWIN BAER 3444 Dury Ave.
SCHIERLOH, HAROLD DEWITT 3763 Pennsylvania Ave.
SCHIPPEN, ALEXANDER CLARENCE 121 Main St., Hamilton, O.
SCHMID, WILLIAM ANDREW 4244 Hamilton Ave.
SCHNEBLE, PAUL ANTHONY Dayton, O., and 227 Lyon St.
SCHNEIDER, CHARLES GEORGE 1624 Pullan Ave.
SCHNEIDER, JACOB MATTHEW 2114 Freeman Ave.
SCHNEIDER, WILLIS LOUIS 1241 Halpin Ave.
SCHULTE, LEO JOHN 1239 Yarmouth Ave.
SCHWALLIE, LESLIE J. 2218 Cameron Ave., Norwood, O.
SCOTT, RUSSELL R. R. No. 2, Ludlow, Ky.
SEIBERT, EARL WILLIAM 109 W. 65th St.
SENF, HAROLD EDGAR Buffalo, N. Y., and 3411 Clifton Ave.
SEULBERGER, FERDINAND GEORGE 3066 Daytona Ave.
SHIRK, HORACE HAMILTON Brookville, Ind., and 3349 Whitfield Ave.
SICKING, VICTOR WILLIAM 2331 Ohio Ave.
SIDDALL, KELLY YOST Equality, Ill., and 309 Ludlow Ave.

Simmons, Mosby L. 273 McCormick Pl.
Sindlinger, Frank Z. 1312 Delta Ave.
Skillman, Calvin Russell Hamilton, O., and 2315 Sauer Ave.
Small, Warren Leon York, Pa., and 2509 Auburn Ave.
Small, William Edward Hagerstown, Ind., and 309 Ludlow Ave.
Smedley, Elmore Huston 2925 Eden Ave.
Smith, Donald McIvor Chicago, Ill., and 2437 Clifton Ave.
Smith, Hugh Mickey Denver, Col., and 2559 Fairview Ave.
Smith, Martin Jefferson 316 Grafton Ave., Dayton, O.
Smith, Stanley Adam Greenville, Pa., and 70 Ehrman Ave.
Snider, Charles Ray 329 E. 5th St.
Snowdon, Richard Ward Mt. Vernon, N. Y., and 2645 Bellevue Ave.
Southgate, Bernard Wright 1531 Scott St., Covington, Ky.
Spangler, Carroll Lyman Riley Rd., Wyoming, O.
Spieth, Theodore William Cleveland, O., and 241 Washington St., Lockland, O.
Stace, Justin Bevis Hamilton, O., and 2315 Sauer Ave.
Spragens, Stephen Mitchell 3449 Craig Ave.
Sterling, John Indianapolis, Ind., and 116 Piedmont St.
Straus, Herman A. 746 Greenwood Ave.
Streeter, Irving Mackay Flint, Mich., and 2382 Wheeler St.
Summers, Harold D. Cairo, W. Va., and 3430 Brookline Ave.
Sweeney, Donald Rentz 3042 McHenry Ave.
Swepston, Harry D. Chillicothe, O., and 27 Lakewood Ave.
Swinney, Stanley 3807 Spencer Ave., Norwood, O.
Taylor, Charles D. Greenup, Ky., and 2382 Wheeler St.
Taylor, William Whitworth Leicester, England, and 224 Loraine Ave.
Theis, William Oscar 930 Morris St.
Thiersch, Walter 4261 Fergus St.
Thompson, Hugh Rowlands 502 Lombardy St., Elmwood Place, O.
Thompson, Oliver Ogden 617 Park Ave., Newport, Ky.
Todd, James Pratt 6732 Commercial Ave.
Towers, Harry Bowling Green, O., and 3411 Clifton Ave.
Trefzger, Herbert Berger 3450 Cheviot Ave.
Trowbridge, Frederick George 723 Dayton St., Hamilton, O.
Trout, Thomas James Altoona, Pa., and 2521 Auburn Ave.
Tufts, Charles Wiltace 131 Hartwell Ave.
Vaughan, Harry Frank Chicago, Ill., and 2667 Highland Ave.
Vettle, Elmore Louis 601 E. Epworth Ave.
Visk, Felix Chicago, Ill., and 3349 Whitfield Ave.
Vogel, Harlan Emmett 1149 McGlynn St., Hamilton, O.
Vogt, Rudolf 924 Armory Ave.
Volgovskoy, Boris 133 W. University Ave.
Vollbrecht, Charles Martin Hamilton, O., and Charlton and Vine Sts.
Volkert, Paul Joseph Dayton, O., and 101 Parkway Ave.
Wallace, George Henry Dayton, O., and 152 W. McMillan St.
Walter, James E. Oakmont, Pa., and 647 Crown St.
Wang, Y. H. China, and 254 Calhoun St.
Ward, Ronald Dibble Milan, Pa., and 2521 Auburn Ave.
Watts, Jeff Cameron 1913 Scott St., Covington, Ky.
Way, Frederick Sewickley, Pa., and 240 Hosea Ave.
Way, Robert Wilson Sewickley, Pa., and 240 Hosea Ave.
Webb, Charles Marcus San Antonio, Tex., and The Roanoke
Whitacre, Maxwell Ludlum Given Rd., Madisonville, O.
White, Lewis Arthur 2257 Adams Ave., Norwood, O.
White, Tom Dakin New Richmond, O., and 2482 Paris St.
Wiek, Harold August Clarksburg, W. Va., and 2521 Auburn Ave.
Wildman, Alexander James Mobile, Ala., and The Roanoke

Williams, Conrad Jackson Crystal City, Tex., and 260 Calhoun St.
Williams, Earl Clyde Wellsville, O., and 331 Straight St.
Williams, Gilbert Wilt Gillett, Ark., and 312 Straight St.
Williams, Warren 601 E. McMillan St.
Winant, Austin Flint Washington, D. C., and 250 Senator Pl.
Winter, Edwin Ellis 852 Academy Ave.
Worst, William Charles 4906 Eastern Ave.
Wunker, Henry Frederick 839 Van Dyke Ave.
Yeagle, Charles C. 120 W. 4th St., Covington, Ky.
Young, Edward Richter Belmont Ave., Ft. Mitchell, Ky.
Young, Harold George Middletown, O., and 2507 Auburn Ave.
Yount, Howard Levi Greenville, O.

Special Students

Braun, Ernst 2539 Vestry Ave.
Buehler, Richard John 2911 Vaughn St.
Conrow, Robert Smock Wichita, Kan., and The Roanoke
Crawford, George Dewey 370 Howell Ave.
Hecker, Charles Hugo (*ELA*) 2032 Elm Ave., Norwood, O.
Herbert, Frank Vincent Harrison, O., and 540 W. 7th St.
Savoya, Charles Frank Brooklyn, N. Y.
Wenzel, Alfred William 2214 Cameron Ave., Norwood, O.
Young, Lawrence Edward 1632 Freeman Ave.

EVENING COMMERCE COURSES

Alderman, Harriss Philip 3330 Jefferson Ave.
Ahrens, Edwin John 2936 Eden Ave.
Ahrens, Herman C. (*ELA*) 10 W. University Ave.
Ahrens, Harry Otto 3016 Jefferson Ave.
Alexander, Lester James 126 Winkler St.
Allen, George Harry The Roanoke
Allen, Dorothy Ruth 818 Oak St.
Allen, Douglas D. 27 North Roslyn
Ammon, Flora Henrietta 3125 Van Buren Ave.
Armstrong, Robert M. (*ELA*) Newton, O., and 3330 Jefferson Ave.
Arnold, Reinhart 3535 Stacey Ave.
Arnold, William Frederick 1667 Harrison Ave.
Atkins, Stanley M. 1331 Franklin Ave.
Backus, Elmer William 2121 Deerfield Pl.
Baker, Oliver Charles 224 Loraine Ave.
Bamberger, Aaron Alvin 1620 Madison Rd.
Bardua, Albert 3253 Vine St.
Barnes, Agnes Cecelia 1602 Mansfield St.
Barnstorff, Herman Saxony Apts.
Bauer, Edwin Francis 2337 Reading Rd.
Bauer, Ida J. 3450 Vine St.
Banner, William H. 2591 Eastern Ave.
Beck, Elsie Amelia 419 E. Mitchell Ave.
Beck, Jr., George Christian 419 E. Mitchell Ave.
Becker, Charles 1700 Harrison Ave.
Becker, Harry Philip Hamilton, O., and 602 Prospect Pl.
Beigel, Herbert Arthur 1623 Tremont St.
Beinhart, Frieda Maria 1264 Elm St.

Bergelt, Edwin 2101 Vine St.
Berman, Isidore Alexander 849 Windham Ave.
Bernstein, Maurice 747 W. 9th St.
Betz, Alma 1442 Main St.
Bierbaum, Frederick A. 1028 Intermediate Ave.
Blanchard, Herman Warner 4621 Mitchell Ave.
Block, Monroe 1218 W. Liberty St.
Boehringer, Raymond C. 2343 Chickasaw St.
Bolte, Harold F. 1907 Mentor Ave., Norwood, O.
Bothwell, Howard King 218 Albion Pl.
Bowen, Hugh Murrell (*Sp. LA*) 3330 Jefferson Ave.
Bowles, W. T. 975 E. McMillan St.
Bracken, Alfred F. 3956 Spencer Ave., Norwood, O.
Bradford, Lawrence Cornelius 704 Vine St., Dayton, Ky.
Brady, Eugene James Far Rockaway, N. Y., and 3330 Jefferson Av.
Brand, Arthur M 6259 Savannah Ave.
Brendamour, Louise Pauline 1928 Delaware Ave., Norwood, O.
Brenner, Harry George 6701 E. Ledge St
Briol, Paul Augustus Larch and Belmont Aves.
Broerman, Harold Christian 3234 Elder Ave.
Brohard, Mont Monala 2329 Park Ave.
Brown, Darwin Scott 228 Piedmont Ave.
Brown, Edyth Claiborne 2215 Washington Ave,, Norwood, O.
Brown, Helen Edmunds 2215 Washington Ave., Norwood, O.
Brown, Raymond George 3824 Edgewood Ave.
Brucker, Elsie Frances 119 W. 65th St.
Brueggeman, Edward 1308 Republic St.
Brueggeman, William 1308 Republic St.
Burka, Louis 746 Terry St.
Burns, William R. 728 Wayne St.
Buskirk, Joseph Randolph 2864 May St.
Butler, Willard James Norwood, O., and 25 W. McMicken Ave.
Byers, George William 46 Cedar Ave., Elmwood, O.
Carley, Thomas James 1325 Grace Ave.
Charni, Guy R. 2218 Kemper Lane
Clancey, William Power 4 The Navarre
Clark, Aplie Roydon 2030 Burnet Ave
Clark, Clinton Pennington Nashville, Tenn., and 1525 Lincoln Ave.
Clark, Harry Winston 13 Ohio Ave., Ft. Thomas, Ky.
Cook, Blanche M. 2814 Melrose Ave.
Cordes, Elmer Henry 210 Stetson St.
Croake, William Thomas 526 Laurel St.
Cunningham, Horace H. 3442 Boudinot Ave.
Dall, Albert Herman 2137 Central Ave.
Davis, Charles Bradley 4538 Lucerne Ave.
Deddens, William Henry 4735 Glenway Ave.
Dickerson, Paul Welch 3230 Daytona Ave.
Dhonau, Raymond H. 457 Warner St.
Dollriehs, Christina F. 2288 Loth St.
Dolman, Charles Benning 3322 Bonaparte Ave.

Downing, Harold Sandwith 1535 Pullan Ave.
Drach, Catherine Marie 113 Mulberry St.
Dressing, Albert J. 1725 Iliff Ave.
Droste, Oscar A. 27 Bank Ave., St. Bernard, O.
Drufner, Vincent Henry 224 Lyon St.
Earle, Sara Morris Falmouth, Ky., and 1307 Locust St.
Easley, Mary Lilian 3087 Markbreit Ave.
Eckman, Louis Justus Langdon Rd.
Edwards, Lucille Elizabeth 2709 Preston St.
Ellig, Frank Clifford 2132 Loth St.
Fay, William Erni 810 Richmond St.
Feiler, Sarah 237 Emming St.
Feldman, Harry Benjamin 517 Betts St.
Felson, Isidor 410 Hopkins St.
Fielman, Frederick George 2519 Vine St.
Filippino, Otto 1639 Baltimore Ave.
Fischer, Carl August 1794 Elmore St.
Fischer, Martha Marie 2415 Elberon Ave.
Fischer, Robert Stanley 3475 Statham Ave.
Fischer, Waldemar William 287 Erkenbrecker Ave.
Fiscus, B. F. 3868 Isabella Ave.
Fiscus, Cornelius Abraham 2453 Eastern Ave.
Fisher, Cherrington Lee 2595 Observatory Rd.
Flye, Harry Orlando 4236 31st St., Oakley
Follrod, Mayme E. 320 Vine St.
Forrester, Irvine 805 E. Mitchell Ave.
Frey, Francis H. 3129 Burnet Ave.
Frommer, Henry Frederick 2974 Spring Grove Ave.
Fronriter, Charlotte Laurette 1910 Crane Ave.
Gabriel, Edward C. (*LA*) 512 Enright Ave.
Gebhardt, Clarence N. 735 Steiner Ave.
Gebhart, Gustav E. 2726 Scioto St.
Gernor, James W. 763 W. 8th St.
Gert, Harry 4122 Liberty St.
Geyler, Ethel Lillian 1342 Aster Pl.
Gilbert, Grace Erma 27 Hartwell Ave.
Goering, Albert William 31 E. McMicken Ave.
Goertemiller, Karl Henry 288 Oakmont Ave.
Gooder, Fred MacDonald Woodford Bldg., Covington, Ky.
Grad, George D. 203 Goethe St.
Gray, Earle M. 13 Glendale St.
Greiser, William Beckwith 3039 Montana Ave.
Grendelmeyer, Marie 2223 Hudson Ave.
Greulich, Elizabeth 2314 Sauer Ave.
Griffin, David Burton 35 Fremont Ave., Ft. Thomas, Ky.
Gruner, Edward Albert 2997 Gilbert Ave.
Guckenberger, Edgar Frederick 3469 Brookline Ave.
Guckenberger, Edwin August 2560 Observatory Rd
Haas, Arthur Charles 4553 Erie Ave.
Hain, Harris H. 1513 Blair Ave.
Hall, Leona 3811 Floral Ave., S. Norwood, O.
Haller, Hugo A. 2213 Victor St.
Hambrick, Marvin Daniel 3464 Greenlawn Ave.
Hamilton, Irene C. 4208 Turrill Ave.
Harding, Charles Joseph 515 Milton St.
Harsch, George Roemer 4825 Whetsel Ave.
Hart, Robert S. 1307 Yarmouth Ave.

Hartman, Joseph Reed 4914 Eastern Ave.
Hartshorn, Artie Lawrence 6115 Woodmont Ave.
Hasenohr, Jr., Theodore Christian 2329 Vine St.
Hathaway, Chester Everett Harrison, O.
Haynes, Charles Walter 203 E. 38th St., Covington, Ky.
Haynes, Frederick Arthur Norfolk Apts.
Healey, Francis Robert 2918 Woodburn Ave.
Heckle, Henry Waterhouse 2310 Highland Ave.
Heile, Cyril Edward 227 Ludlow Ave.
Helmling, Oscar Arthur 2315 Victor St.
Hendershott, Delbert Kurtz 626 W. 4th St.
Hendrick, Harold Richard 2301 Highland Ave.
Henke, William Henry Fred 4606 Winton Rd.
Henneke, John Albert (*ELA*) 523 Lowell Ave.
Hesse, Walter H. 3745 Borden St.
Hibarger, Edwin G. Wichita, Kan., and 3330 Jefferson Ave.
Higgins, Hugh Pratt 2110 St. James Ave.
Higley, Murrell Harry 765 Delta Ave.
Hiller, Carl A. 2307 Ohio Ave.
Hillhouse, Louden Franklin 1542 St. Leger Pl.
Hoelscher, Oscar A. 4207 Grove Ave., Norwood, O.
Hoff, Freida Emma 407 Mohawk St.
Hoffman, Emma 2860 Shaffer Ave.
Hoffman, Louis John 3542 Michigan Ave.
Holocher, Gilbert Henry 222 Mulberry St.
Holocher, Clarence 222 Mulberry St.
Horman, M. R. 4714 Glenshade Ave.
Hopf, Henry Dilg 222 Magnolia St.
Hostetler, Emil Tennyson 2020 Elm Ave.
Hoseus, Edwin Walter 3800 Oakley Ave.
Huber, Emily Wilhelmine 5107 Main Ave.
Hucke, Norma Dorothy 404 Lombardy Ave., Elmwood Place, O.
Huy, Elmer Louis 1636 Baltimore Ave.
Imbus, Harry Cornelius 1631 Iliff Ave.
Jackman, Jule 1316 Locust St.
Jemison, Frank Brevfogle 2326 Auburn Ave.
Jett, Bernard Holton 426 Greenup St., Covington, Ky.
Joering, Everard 528 E. 13th St.
Johnson, Carl Henry (*ELA*) 2304 Rohs St.
Johnson, Glenn Hayes (*ELA*) 117 W. 8th St.
Jones, Lillian E. 8435 Burns Ave.
Jones, Mary Louise (*ELA*) 708 Ludlow Ave., Newport, Ky.
Jones, Rufus B. 4337 Erie Ave.
Jones, Ruth 1704 Highland Ave.
Kaplan, Harry Joseph 806 W. 9th St.
Karcher, John Paul 2832 Observatory Rd.
Karger, Alfred Gus 1127 W. 6th St.
Kassel, Jule 3415 Larona Ave.
Kauffman, Dorothy Marie 1368 Burdette Ave.
Kay, Alice Sinclair 809 Lincoln Ave.
Kayser, Abner Merrill 3330 Jefferson Ave.
Kellogg, Robert Holmes (*ELA*) 309 Ludlow Ave.
Kelly, Clara Belle 2888 Erie Ave.
Kemper, Henry Lawson 970 Avondale Ave.
Kennedy, Mary E. 815 Oak St.
Kennedy, William Lyles 1745 Chase Ave.
Kent, John Howard 2354 Concord St.

Kerkhoff, Frank Anthony 1025 Academy Ave.
Kienker, H. F. 5652 Glenview Ave.
Kirbert, Henry 4320 33d St.
Knopf, John Walker 2538 Highland Ave.
Knorr, Arline Jeanette Ohio and Graham Aves.
Knorr, Harry Edward 100 Valencia St.
Koch, John Frederick 253 Hearne Ave.
Koenig, George William 2311 Moerlein Ave.
Koester, William Henry Box 177, Winton Rd.
Kohnen, Joseph 1209 Ross Ave.
Kremp, Walter Daniel 1231 Walnut St.
Kruckemeyer, Dora 581 Terrace Ave.
Kuhn, Joseph 2161 Central Ave.
Langenbeck, Fred Richard 1043 Parkson Pl.
Langenheim, Arthur William Baxter Ave.
Langenheim, Ralph Baxter Ave.
Lansing, Samuel B. 3330 Jefferson Ave.
Lantz, Stafford Baker 673 Hawthorne Ave.
Lathrop, Charles Eugene 2 Harris Bldg., Norwood, O.
Lauber, Frank Edward Rapid Run Pike
LeSaint, Verena 3542 Bevis Ave.
Letto, Edna L. 921 McPherson Ave.
Levine, Sarah 806 W. 7th St.
Levy, Howard 218 Piedmont Ave.
Lewis, Romaine Carr 2921 Urwiler Ave.
Lieberman, Otto C. 2334 Victor St.
Lind, John Earl 5714 Madison Rd.
Lindsley, Elmer Sanford 4546 N. Edgewood Ave.
Litzinger, Harry Anthony 216 Stetson St.
Lohn, George LeRoy 3568 Trimble Ave.
Long, Lulu Catharine (*ELA*) 1 Lane Seminary
Lorbeer, Alfred 8337 Anthony Wayne Ave.
Loth, John Edward (*ELA*) 313 Piedmont Ave.
Loth, Leopold Ross 3829 Edgehill Ave.
Lyons, Helen Alice 2320 Kenton St.
McCaffery, Thomas William 3336 Graydon Ave.
McCammon, Donald Ezra 124 W. 71st St.
McCullough, Robert S. Hotel Gibson
McDonough, Katherine 2857 Ashmont Ave.
McElvenny, Loretta 4122 30th St.
McGowan, John Harry 2345 Upland Pl.
McKinney, Robert 218 Woolper Ave.
Maloney, Edna 3309 W. 8th St.
Marcus, Catherine 1357 Myrtle Ave.
Marhoefer, John Lawrence 327 Warner St.
Marienthal, Raymond Vinant 199 Congress Ave.
Marvin, John Howard 640 June St.
Masset, Albert 133 Lyon St.
Mattox, Benjamin Lyle 410 Tusculum Ave.
Meyer, Edna Katheryn 4218 29th St.
Meyer, John 500 Milton St.
Meyers, Albert 1518 St. Leger Pl.
Meyers, Lillie E. 1304 Central Ave.
Miller, George Washington 2111 Fulton Ave.
Miller, Esther Louise (*ELA*) 1705 Westwood Ave.
Mills, Edgar J. 323 W. 3d St.
Mills, H. Batson 3829 Huntington Ave., Latonia, Ky.

Monahon, John E. 3551 Newton Ave.
Moore, John Sherwood Ransley Apts.
Morris, Robert Morse 2910 Montana Ave.
Mueller, Helen V. 643 W. McMicken Ave.
Mullaney, William Francis 970 Hatch St.
Murray, Charles Walter 4910 Lloyd Ave., Norwood, O.
Musser, Helen 2413 Ohio Ave.
Neddermann, John Ludwig 3119 Durbin Pl.
Newman, George William 621 Main St.
Newman, Joseph Frank 1325 Cutter St.
Niehaus, Irma Elizabeth 727 Whittier Ave.
Niehaus, John William (*ELA*) 3536 Wabash Ave.
Nieman, Margaret Charlotte 1842 Hopkins Ave.
Nippert, William E. 2713 Glenway Ave.
Nunn, Ellsworth Lionell 1334 Main St.
Oberhelman, Henry Bernard 2947 Colerain Ave.
O'Donnell, Daniel John 3626 Harrison Ave.
O'Dowd, Robert Edward 3501 Stacey Ave.
Ogden, William Allen Nashville, Tenn., and 1525 Lincoln Ave.
Olch, Jacob Benjamin 3217 Hackberry St.
O'Neill, Stephen James 2722 Madison Rd.
Overton, Boyd Wheeler 1230 Myrtle Ave.
Owen, Henry Barlow 55 St. Leger Apts.
Paterson, Alexander (*LA*) 352 Shiloh St.
Patzold, John Britenshaw 3573 Smith Rd., Norwood, O.
Pettit, Edwin William 1220 Yarmouth Ave.
Pettit, Leola Ernstine (*ELA*) 2315 Sauer Ave.
Phillips, Cecil St. John 705 York St., Newport, Ky.
Pierle, Edwin F. 350 Howell Ave.
Piker, Sidney 1355 Burdette Ave.
Pilger, Ida 113 Mulberry St.
Pinckard, F. F. 2506 Moorman Ave.
Poe, Edith G. 2707 Cleinview Ave.
Pope, Waldorf Adrian Tusculum and Vineyard Pl.
Potts, August Raymond Box 63, Gurley Rd.
Price, Walter Watkin 151 Parkway
Probert, Edwin Harold 606 Garrard St., Covington, Ky.
Punch, Harvard Elsmere 1519 Blair Ave.
Quigley, Bernard 3920 Madison Ave., Norwood, O.
Quinlan, Bessie 1822 Duckcreek Rd.
Reade, Ralph Brownell 2048 Auburn Ave.
Reardon, Elizabeth M. 1832 Hanfield St.
Reichling, Richard Louis (*ELA*) 2712 Griffiths Ave.
Reis, Alfred Thomas 135 Winkler St.
Renshaw, Ralph Leverne 3548 Bevis Ave.
Rhein, George Walter 2804 Jefferson Ave.
Richard, Edwin Jack 877 Clinton Springs Ave.
Richardson, Charles Bonsell 2916 Minot Ave.
Riedinger, William 415 Resor Ave.
Riffe, James M. 972 Kirbert Ave.
Ritter, Jacob 548 Clinton St.
Robinson, Louis Clark Marietta, O., and 3330 Jefferson Ave.
Rodner, Jacob 725 Clinton St.
Rohrer, Daisy 2519 Bell Pl.
Rose, Lucille Natalie 1334 Herschel Ave.
Rothfuss, George Paul 124 Albert St., St. Bernard, O.
Rothhaas, Edna Minna 2334 Stratford Ave.

ROUDA, SAM 647 Richmond St.
ROWAN, MARY JANE 3743 Edwards Rd.
ROWE, STANLEY MELVILLE 2261 Spring Grove Ave.
RUBY, HARRY B. 651 Derby St.
SACHS, WILLIAM 806 Richmond St.
SAFFER, RAYMOND BENJAMIN 4732 Glenway Ave.
SCHABER, OSCAR B. 616 Vine St.
SCHAFFNER, JOHN GEORGE 2348 Victor St.
SCHAUM, PAUL FREDERICK (*ELA*) 298 Mohawk St.
SCHEER, SARA D. 22 N. Warwick Apts.
SCHEIFFELE, MALCOLM WELZ 3519 Mooney Ave.
SCHIFF, SAM 510 Union St.
SCHMIDT, RAYMOND OTTO 1535 Pullan Ave.
SCHOENEBAUM, JOHN HENRY 1608 Main St.
SCHOENECKER, JOSEPH M. 303 Warner St.
SCHRAGE, ANNA A. 1166 Bates Ave.
SCHROER, JOHN GEORGE 643 Steiner Ave.
SCHIELMAN, HARRY MARK 3653 Alter Pl.
SEE, OSCAR FRANKLIN Blue Ash, O.
SEGHERS, C. C. 2358 Auburn Ave.
SEITKAMP, ROSEMARY 1023 Seton Ave.
SEMPLE, BEN PIERCE 236 E. 2d St., Covington, Ky.
SHAW, HERMAN JOSEPH 2860 Erie Ave.
SHEARER, EDGAR WILLIAM 301 W. Forrer St.
SHEPPARD, WILLIAM E. 2713 Glenway Ave.
SHREVE, JOHN HAROLD Addingham Pl.
SIEWERS, AUGUSTIN YATES 3564 Edwards Rd.
SIMPKINSON, EWART WOODRUFF 1114 Cross Lane
SIMS, OSCAR 4206 Ballard Ave.
SINGER, CHARLES ANDREW 2615 Cleinview Ave.
SMITH, LAWRENCE RANDOLPH 1883 Madison Rd.
SMITH, PAUL DOUGLAS Charlotte Ave., Wyoming, O.
SPALDING, LUCILLE JANE 19 E. 5th St., Newport, Ky.
SPIES, EDWIN BENEDICT 279 W. McMicken Ave.
SPOERLEIN, WALTER CHARLES 58 W. St. Clair St.
SPOHR, OSCAR AUGUST 2729 Scioto St.
STAGAMAN, ANTOINETTE MARIE 4004 Floral Ave., Norwood, O.
STEINLE, HOWARD V. 4725 Edgewood Ave.
STERRETT, THOMAS S. 722 Hand St.
STESCH, RICHMOND EARL 3826 Forest Ave., Norwood, O.
STOBER, MARTIN JOSEPH 1987 Madison Rd.
STREICHER, RUDOLPH WILLIAM 3617 Vine St.
STRICKLAND, DAVID LIGHT 2005 Hudson Ave., Norwood, O.
STUCKENBERG, HENRY MALCOLM 7 The Roanoke
SWEENEY, HOWARD THOMAS 1864 Hewitt Ave.
TATMAN, FRANCIS DURBIN 331 Straight St.
THATCHER, WENDELL (*ELA*) 3 Laurel Apts.
THOMAS, HAROLD WILLIAM (*ELA*) 4116 29th St.
TIEMEYER, EDWIN HERMAN (*ELA*) 2336 Stratford Ave.
TILFORD, ALVIN RAYMOND 144 Oak St.
TISCHLER, ANTON WURLITZER (*ELA*) 511 Fortune St.
ULHING, GEORGE HERBERT 8434 Wiswell Ave.
ULRICH, ARTHUR JOHN Middletown, O., and 1609 Young St.
UMBACH, LOUIS A. 3334 Brotherton Rd.
VANDERBILT, GEORGE 1134 Sherman Ave.
VORDENBERG, HERMAN HENRY 1045 Purcell Ave.
VON BREMEN, LILLIAN RUTH 3633 Wabash Ave.

Voss, Leroy Charles 3443 Burch Ave.
Waldmann, Margaret Anna 406 Elliott Ave., Arlington Heights, O.
Walter, Earl Henry 200 Peete St.
Walter, Marvin Louis 3020 Vine St.
Weber, William Earle 824 Hutchins Ave.
Wegert, Edgar Arthur 1109 Carson Ave.
Weis, Frieda Pearl (*ELA*) 2540 Vine St.
Weisbrod, Fred William Henry 3755 Derr Ave.
Weiser, Isadore 721 Richmond St.
Whitaker, Ralph Edgar 3790 Ault Park Rd.
Wibbels, Marie Elizabeth 4639 Carter St., Norwood, O.
Wiedemer, Roy 4821 Linden Ave.
Wiessler, Fred 419 E. Liberty St.
Wigger, Edwin Howard 3550 Michigan Ave.
Wiggerman, Carolyn 536 Grand Ave.
Wilkerson, Grace Marie 2803 Madison Rd.
Williams, Sam Beamer Central Y. M. C. A.
Wilson, Ross Howard 2532 Alms Pl.
Winans, Herbert Stewart 2527 Ashland Ave.
Witt, Otto F. 57 Hooper St., Clifton, Ky.
Witte, George Albert 815 Academy Ave.
Wolfe, John Joseph 2412 Kenilworth Ave., Norwood, O.
Wollenberg, Edmund George (*ELA*) 270 Dorchester Ave.
Wood, Thomas 1623 Mansfield St.
Wuest, Frank Louis 2455 Fairview Ave.
Wulfhorst, William Edward (*ELA*) 26 E. Rochelle St.
Wyatt, Charles Eldon 3965 Marburg Ave.
Yosevitz, Joseph 520 Armory Ave.
Young, Alvah Hobart 3756 Regent Ave., Norwood, O.
Ziegenhardt, Mabel K. 1053 Marshall Ave.

COLLEGE OF MEDICINE

Regular and Irregular Students

Seniors

Benzing, Jr., George 625 Ludlow St., Hamilton, O.
A. B., University of Michigan, 1918

Beumler, Arthur Karl 1512 Fifth St., Portsmouth, O.
A. B., Ohio Wesleyan University, 1917

Boocks, Howard Moore 115 Beatty Ave., Mannington, W. Va.
B. S., University of West Virginia, 1918

Brammer, Fred Emerson Chesapeake, O.
Valparaiso University, summer course, 1908; *three quarters*, 1911-12; *Ohio University*, 1915-16; *summers*, 1915, 1916

Cassady, Everett S. Belpre, O.
B. S., University of Cincinnati, 1919

Conwell, Halford Frederick 270 Chestnut St., Xenia, O.
B. S., University of Cincinnati, 1919

Cook, George Harvey Oxford, O
Miami University, 1915-17; *University of Cincinnati, summer course*, 1917

CORPRON, DOUGLAS SQUIRE Yakima, Wash.
University of Oregon, 1914-16; *Medical School, University of Michigan*, 1916-19

DAVIS, DAVID CARSON 2114 Fulton Ave.
B. S., University of Cincinnati, 1919

DAVIS, PARVIN MILTON New Albany, Ind.
B. S., Indiana University, 1919; *School of Medicine, Indiana University*, 1917-19

DOWNING, HAROLD FRANCIS Peebles, O.
A. B., Miami University, 1919; *B. S., University of Cincinnati*, 1920

DRACHENBERG, HARRY 829 Cleveland Ave.
B. S., University of Cincinnati, 1919

FELTER, LLOYD KING 1540 Pullan Ave.
University of Cincinnati, 1915-17

FLIPSE, MATHEW JAY 2489 Paris St.
A. B., Hope College, 1917

FOSTER, THEODORE FRANK 3301 Clifton Ave.
B. S., University of Cincinnati, 1920

FRAAS, CLARENCE LEROY 33 Helena St., Dayton, O.
B. S., University of Cincinnati, 1919

GANIM, JOSEPH NICHOLAS 1308 Broadway
B. S., University of Cincinnati, 1919

HANNAH, HEWITT BLAIN Addyston, O.
A. B., Miami University, 1917

HATHAWAY, GEORGE JARVIS 510 Essex St., S. E., Minneapolis, Minn.
University of Minnesota, 1912-14; *Ibid, Medical School*, 1914-17

HENDRICKSON, FLOYD CHESTER 524 Hickman St.
B. S., University of Kansas, 1918; *University of Kansas School of Medicine*, 1916-18; *S. S., Ohio State University*, 1918; *University of Chicago, spring and summer quarters*, 1919

HOWELL, HAROLD HARRY Philippi, W. Va.
B. S., West Virginia University, 1919

HUSTON, JAMES MALLERNEE 238 Piedmont St.
University of Southern California, 1912-15

INSKEEP, MAHLON JOHN 1810 Garrard St., Covington, Ky.
University of Cincinnati, 1914-17

JONES, HERBERT CLAIBORNE 431 Washington St., Petersburg, Va.
University of Cincinnati, 1915-17; *University of Chicago, summer course*, 1917

KOEHLER, WILLIAM AUGUSTUS 27 Lakewood Ave.
B. S., University of Cincinnati, 1919

KUHN, HUGH ALVA Lore City, O.
B. S., University of Cincinnati, 1919

KYMMEL, AUGUST Grandview Sanitarium
A. B., Muncie National Institute, 1917

LACAMERA, FRANK 947 Fruit Ave., Farrell, Pa.
Grove City College, 1914-15; *Ohio State University*, 1916-17

LAVENDER, HERMAN LEON Burnet and Union Aves.
B. S., University of Cincinnati, 1919

LINDNER, JOSEPH 8358 Wisswell Ave., Hartwell, O.
A. B., Miami University, 1917; *B. S., University of Cincinnati*, 1919

MALONE, HERBERT PATRICK 411 E. Walnut St., Lancaster, O.
B. S., University of Cincinnati, 1920

MALONEY, JOHN JAMES 576 Considine Ave.
A. B., St. Xavier's College, 1917; *School of Medicine, St. Louis University*, 1917-19

MILLER, BLANCHE BONSACK Eglon, W. Va.
B. S., University of West Virginia, 1919

MILLER, HAROLD CLAYTON Eglon, W. Va.
B. S., University of West Virginia, 1919

MINICH, PAUL RUST North Hampton, O.
A. B., Witienberg College, 1915

MUSEKAMP, GEORGE HENRY 3919 Harrison Ave.
University of Cincinnati, 1915-17

NESBIT, ORVAL ISAAC Albion, Ind.
A. B., University of South Dakota, 1919

NEWCOMB, PAUL BARKLEY West Unity, O.
University of Michigan, 1914-16

PICKEREL, FRED BEVERLY Medford, Okla.
Friends University, 1913-16; *Ibid, summer course*, 1917

PIECK, CARL EDWARD 523 Main St., Covington, Ky.
B. S., University of Cincinnati, 1920

PILLIOD, JOHN VICTOR Grand Rapids, O.
St. John's University, 1915-16; *Toledo University*, 1916-17; *University of Michigan Medical School*, 1917-18

PIRRUNG, MATTHEW CLARENCE 1556 Fifth St., Portsmouth, O.
Ohio University, 1915-17

PRICE, JAY 14109 Northfield Ave., Cleveland, O.
A. B., Adelbert College, 1919; *Western Reserve University, School of Medicine*, 1918-19

RAAP, GERARD 2489 Paris St.
A. B., Hope College, 1916

ROBINS, JOSEPH EDWIN 1319 Virginia St., Charleston, W. Va.
B. S., University of Cincinnati, 1919

SAKURAI, KIKUZO 5 Kamimeguro, Tokyo, Japan
Chue University, Japan, 1910-12; *M. D., Chiba Government Medical School, Japan*, 1916

SCHUITEMAN, EDWARD Fremont, Mich.
A. B., University of South Dakota, 1919

SHAFER, CLARENCE JOSEPH 4637 Smith Rd., Norwood, O.
University of Cincinnati, 1915-17; *summer*, 1916

SHOOK, HUBERT HERMAN St. Joe, Ind.
Wittenberg College, 1914-17

SMITH, VINCENT VANHORN 131 Wayne Ave., Lockland, O.
Ohio Wesleyan College, 1914-16; *summer*, 1916; *Ohio State University, one semester*, 1916-17

SOMMER, LOUIS Harrodsburg, Ky.
B. S., University of Cincinnati, 1919

STRIKER, CECIL 214 E. Seventh St., Covington, Ky.
B. S., University of Cincinnati, 1919

SUDHOFF, PAUL GERHARDT 3405 Clifton Ave.
University of Cincinnati, 1915-17

TALBOTT, SAMUEL FORD Frenchton, W. Va.
Shepherd College, West Virginia Wesleyan University, 1914-15; *West Virginia University*, 1917-18; *Ibid., School of Medicine*, 1918-19

TUCKER, ELDON BRYANT Morgantown, W. Va.
B. S., West Virginia University, 1919

UNSINGER, HAROLD FARQUHAR Fremont, O.
A. B., Heidelberg University, 1916; *Western Reserve University*, 1917-18; *Ibid.*, 1918-19, *first semester*

VONDERAHE, ALPHONSE RALPH 4260 Leonard Ave., St. Bernard, O.
A. B., St. Xavier College, 1916; *B. S., University of Cincinnati*, 1919

WAGNER, HAROLD HARR 1521 Huffman Ave., Dayton, O.
B. S., University of Cincinnati, 1919

WILLKE, GERARD THOMAS Maria Stein, O.
B. S., University of Cincinnati, 1919

WOODBURN, LEMUEL ANSEL Urbana, O.
A. B., Wittenberg College, 1913; *A. M., Ibid.*, 1917; *Western Reserve University*, 1917-18

WYLIE, CHARLES ANDREW 311 Goodman St.
B. S., Drake University, 1913

ZEVALKINK, RICHARD 647 Grandville Ave., Grand Rapids, Mich.
A. B., University of South Dakota, 1919

Juniors

BAILEY, RUSSELL BROOKS 463 Center Ave., Westen, W. Va.
B. S., University of West Virginia, 1920

BECK, FRANK TILDEN Crestline, O.
B. S., University of Cincinnati, 1920

BENNETT, FRANCIS PAUL Damascus, O.
A. B., Mt. Union College, 1916; *Western Reserve University, School of Medicine*, 1918-19

BROWN, ALBERT LOUIS 3476 Harvey Ave.
University of Cincinnati, 1916-18; *summer term*, 1918

DAVIS, WILBUR LOUIS 829 Ashland Ave., Buffalo, N. Y.
Otterbein College, 1915-17; *University of Cincinnati summer term*, 1918

*DILLON, MARY ALLEN Fairmont, Ind.
A. B., Earlham College, 1914; *B. S., University of Cincinnati*, 1920

FRASER, JOHN ALLEN R. F. D. No. 2, Wellsville, O.
B. S., University of Cincinnati, 1920

GAKER, JR., LOUIS WILLIAM 1228 Laidlaw Ave.
University of Cincinnati, 1916-18; *summer term*, 1918

GUEST, GEORGE MARTIN 709 E. Chestnut St., Hoopeston, Ill.
Ohio Wesleyan University, 1916-18

HALL, OLIN B. Morgantown, W. Va.
B. S., Universliy of West Virginia, 1920

HARDIN, GEORGE LEON Alma, Neb.
University of Nebraska, 1915-17

HARTMAN, ARLETT BRYAN Morgantown, W. Va.
B. S., University of West Virginia, 1920

HENDRICKS, ELLIOTT M. 3129 Paxton Rd.
B. S., University of Cincinnati, 1920

HENDRICKS, LOUIS JOSEPH 3904 Hazel Ave., Norwood, O.
B. S., University of Cincinnati, 1920

JONES, GWENDOLYN ANNA 57 Mt. Pleasant Ave., Ft. Thomas, Ky.
B. S., University of Cincinnati, 1920

KECK, HERMAN 3595 Outlook Ave.
University of Cincinnati, 1916-18; *summer term*, 1917

KLUG, THOMAS M. Procter, W. Va.
B. S., University of West Virginia, 1920

KREIMER, ALBERT GEORGE 2901 Erie Ave.
A. B., University of Cincinnati, 1916

KRONACHER, REGINE JOAN 765 Greenwood Ave.
A. B., Wellesley College, 1916

LEECH, CHARLES HOYT New London, O.
Ohio Wesleyan University, 1916-18; *Ohio State University, summer term*, 1918

LEVIN, SYDNEY 5801 Longfellow Ave., Cleveland, O.
B. S., University of West Virginia, 1920

LUNGER, GUERNSEY REINER 294 Franklin St., Marion, O.
Miami University, 1916-18; *summer term*, 1918

MCCLUNG, JAMES ROBINSON Dawson, W. Va.
B. S., University of West Virginia, 1920

MCCLURE, GEORGE WILLIAM Louisa, Ky.
Ohio Wesleyan University, 1916-18; *Ohio State University, summer term*, 1918

*Withdrawn

McIntyre, (Mrs.) Aurelia Place Carthage, O.
A. B., Miami University, 1920

McKhann, Jr., Charles Fremont 2329 Highland Ave.
A. B., Miami University, 1918; *B. S., University of Cincinnati*, 1920

Miller, Howard Bryson Hartford City, Ind.
Indiana University, 1915-17; *Ibid., School of Medicine*, 1917-18

Miller, Maurice Irving Delta, O.
Ohio Wesleyan University, 1915-18; *summer term*, 1918

Muskat, Myer Salmen Marietta, O.
B. S., University of Cincinnati, 1920

Paul, William Cornelius 3140 Vine St.
B. S., University of Cincinnati, 1920

Pavy, Odra S. 2642 Stanton Ave.
Franklin College, 1912-14, 1917-18

Porras, Lorenzo Pedroso Jaro, Iloilo, P. I
LL. B., Valparaiso University, 1917; *A. B., Ibid.*, 1917; *Ohio State University*, 1917-18; *University of Cincinnati, summer term*, 1918

Riddle, Charles Kenneth Lawrenceburg, Ind.
University of Indiana, 1915-17; *Ibid., School of Medicine*, 1917-18, *first semester*, 1918-19

Ritenour, Almer Daniel Jeffersonville, O.
A. B., Ohio Wesleyan University, 1915

Schirrmann, Harold Alfred 1412 Gallia St., Portsmouth, O.
B. S., University of Cincinnati, 1920

Slutsky, Hyman 3 LeRoy Court
B. S., University of Cincinnati, 1920

Swepston, Emil Rawn 525 Considine Ave
B. S., University of Cincinnati, 1920

Templeton, Wayne King Greensburg, Ind.
Indiana University, 1915-17; *Ibid., School of Medicine*, 1917-18, *first semester*, 1918-19

Theiss, John O. Ravenswood, W. Va.
B. S., University of West Virginia, 1920

Wilzbach, Carl Albert 108 Valencia St.
University of Cincinnati, 1916-18; *summer term*, 1918, *first semester*, 1918-19

Wynn, Justice Farless Providence, Ky.
Transylvania College, 1914-17, *first semester*, 1917-18; *University of Cincinnati, second semester*, 1918

Zeligs, Mendel 820 W. Court St
B. S., University of Cincinnati, 1920

Irregular Juniors

Mills, Clarence A. 301 Hearne Ave
A. B., University of South Dakota, 1917; *Ph. D., University of Cincinnati*, 1920

Shelton, (Mrs.) Violetta G., r.n. 3300 Elland Ave.
University of Cincinnati, 1916-18; *summer terms*, 1917, 1918

Vester, Walter Charles 2235 Burnet Ave.
A. B., St. Xavier College, 1915; *University of Cincinnati*, 1917-18; *summer terms*, 1916, 1918

Sophomores

BECKES, ELLSWORTH WELTON 414 Broadway, Vincennes, Ind.
Indiana University, 1916-19

BEEKS, FRANKLIN CONE 120 S. Main St., Oxford, O.
A. B., Miami University, 1917

BELL, HARRY GLENN Hillsboro, O.
Miami University, 1916-18; *summer session, University of Cincinnati*, 1919

BELLAMY, CURTIS FRANKLIN 927 Chillicothe St , Portsmouth, O.
Miami University, 1917-19

BOGEN, EMIL 857 Blair Ave.
A. B., University of Cincinnati, 1920

BUTT, WILLIAM JOSEPH Elkhart, Kansas
University of Cincinnati, 1914-17; *summer sessions*, 1915, 1916, 1919

CARMEL, ABRAM GERSON 513 Richmond St.
University of Cincinnati, 1917-19

CHILDERS, ASHER THEODORE Salem, W. Va.
B. S., West Virginia University, 1915

COMSTOCK, GLENN EDWARD Gary, Ind.
Indiana University, 1916-19

COOK, MALCOLM ORR Oxford, O.
Miami University, 1916-19

CRAFT, OTIS RAYMOND Byesville, O.
B. Sc. Agriculture, Ohio State University, 1916

DAVIDSON, HARRY ORVEL Portsmouth, O.
Miami University, 1917-19

DAY, HORACE ASA Treadway, Tenn
University of Tennessee, 1917-19

DORMIRE, HERMAN FLOYD Pemberton, O.
Miami University, 1917-19, *summer session*, 1919

DORST, STANLEY ELWOOD 49 E. Ward St., Springfield, O.
A. B., Wittenberg College, 1919

ERBAUGH, GORDON LESLIE 2904 W. Third St., Dayton, O.
Ohio State University, 1914-17

FREDERICK, CLARENCE HENRY 449 Washington Ave., Lorain, O.
Adelbert College, 1917-18; *University of Cincinnati*, 1918-19

FREIBERG, JOSEPH ALBERT 3577 Alaska Ave.
A. B., Harvard University, 1920

FRICKMAN, OSCAR WILLIAM 724 York St., Newport, Ky.
University of Cincinnati, 1917-19

FRIEDMAN, LEO SAMUEL 3592 Wilson Ave.
University of Cincinnati, 1917-19

GIERINGER, LLOYD R. R. No. 1, Cleves, O.
University of Cincinnati, 1917-19

GILLESPIE, THADDEUS REAMY 670 June St
University of Cincinnati, 1916-18

HENDRICKSON, (MRS.) ANNA MCNALLEY 238 Piedmont St.
Kansas University, 1915-17; *summer session, Ohio State University*, 1918; *summer and spring quarters, University of Chicago*, 1919

HOYER, ALBERT BENJAMIN CHARLES 1122 Central Ave., Newport, Ky.
University of Cincinnati, 1916-18; *summer session*, 1919

HUFFMAN, GEORGE RICHARD 1823 Greenup St., Covington, Ky.
A. B., Transylvania College, 1917

KITZMILLER, KARL VIVIAN 340 McGregor Ave.
University of Cincinnati, 1917-19

LEE, OLIVE PEARL Frederickstown, O.
A. B., Ohio University, 1919

McCool, William Franklin 1001 Linwood Ave., Evansville, Ind.
Indiana University, 1913-17

Mathews, James Stewart Dale Rd.
University of Cincinnati, 1916-18; *Ohio State University*, 1918-19

Mitchell, Prescott Talman 823 Cleveland Ave.
University of Wisconsin, 1914-17

Morton, William Arnett 261 Worth St.
University of Cincinnati, 1916-18

Munns, George Oxford, O.
Miami University, 1915-19, *summers* 1914, 1915, 1918, 1919

Navin, Walter Martin Okolona, O.
Notre Dame, 1916-17; *Ohio University*, 1917-19

Nielander, Joseph Richard 19 Ohio Ave., Ft. Thomas, Ky.
University of Kentucky, 1917-18, *first semester*, 1918-19; *University of Cincinnati, second semester*, 1919

Nigh, Leonard Carothers Carey, O.
Wittenberg College, 1915-18

Phillips, Royal Ashar 130 W. 70th St.
A. B., University of Cincinnati, 1917; *B. S., University of Cincinnati*, 1920

Poetker, Karl Ernest Portsmouth, O.
Miami University, 1917-19

Rockwell, George Edmund 2505 Gilbert Ave.
University of Cincinnati, 1916-18

Rouse, (Mrs.) Gladys Louisa 232 Oak St
A. B., University of Cincinnati, 1913

Sah, Nand Lal Lucknow, India
Canning College, 1913-16; *Allahabad University, India*

Saltzman, Jacob 10931 Tacoma Ave., Cleveland, O
Adelbert College, 1914-17

Schafer, Donald W. Argos, Ind.
Indiana University, 1916-17; *Valparaiso University*, 1918-19

Scott, Thomas George 4324 Forest Ave., Norwood, O.
Purdue University, 1917-18; *University of Cincinnati*, 1918-19; *summer session, Ohio Wesleyan*, 1919

Seltz, Samuel 1011 Freeman Ave.
University of Cincinnati, 1917-19

Simmons, Benjamin Coleman 2642 Stanton Ave.
University of Kentucky, first semester, 1916-17; *Southern California, second semester*, 1916-17; *University of Cincinnati*, 1917-18; *summer session*, 1919

Smith, Earl McCall Bucyrus, O.
B. S., Denison University, 1917

Speckman, Russell Newton 868 E. Chestnut St., Coshocton, O.
University of Michigan, 1914-15; *Ohio State University*, 1915-17

Stack, Leonard Anthony 1124 Fifth St., Lorain, O.
A. B., Holy Cross College, 1919

Stein, Elick 1634 Vine St.
University of Cincinnati, 1917-19

Stein, Joseph 526 W. Sixth St., Newport, Ky.
University of Cincinnati, 1917-19

Stevenson, Frank Earl R. F. D. No. 5, Circleville, O.
A. B., Miami University, 1919

Turner, William Blount 20 Apollo St., Petersburg, Va.
Randolph-Macon College, 1916-19

Walker, Robert Coulter 2515 Auburn Ave.
A. B., A. M., University of the South, 1915, 1916

Irregular Sophomores

CHERINGTON, MAYNARD STEELE 117 Prospect St., Bowling Green, O.
Ohio Wesleyan University, 1914-18; *University of Cincinnati, summer term*, 1918

HYDE, WILLIAM HUBERT Nelsonville, O.
Ohio Wesleyan University, 1916-19; *summer sessions, Ohio State University*, 1918, 1919

JULIAN, CORNELIO DATO 1900 Taft Rd.
A. B., Ohio Wesleyan University, 1919

KOETTER, GEORGE FRANK Chicago, Ill.
Michigan Agricultural College, 1915-17

KRATZ, WILLIAM JOSEPH 2440 Mound Ave., Norwood, O.
Lewis Institute, Chicago, Ill., 1916-17

*PINSKY, BENNIE 21st St., Bellaire, O.
Ohio State University, 1916-18

ROADS, HOMER DUDLEY Hillsboro, O.
Ohio Wesleyan University, 1916-19

THOMAS, MARY LOUISE 1846 Brewster Ave.
A. B., University of Cincinnati, 1913

WEIDENSALL, CLARA JEAN 58 Hollister St.
A. B., Vassar College, 1903; *Ph. D., University of Chicago*, 1910

ZINKAN, THOMAS EARL 431 S. Woodlawn Ave., Lima, O.
Indiana University, 1915-18

Freshmen

BAUMAN, PAUL RANNELLS Columbus, O.
Ohio Wesleyan University, 1917-20

BEEKLEY, FERRIS ELIPHALET West Chester, O.
A. B., Miami University, 1920

*BEUCLER, MILLARD LOUYS 4200 Delaney St.
Denison University, 1917-19; *University of Cincinnati*, 1919-20

BISHOP, GEORGE CREED 3128 Vine St.
University of Cincinnati, 1918-20; *summer term*, 1919, 1920

CHANCE, OLIVER GATCH North Bend, O.
University of Cincinnati, 1918-20

COOKE, ROBERT WALLACE Bellefontaine, O.
Miami University, 1917-18, 1919-20

COOMBS, VERA Camden, O
A. B., Miami University, 1920

CRUDGINGTON, ROBERT LINCOLN Glendale, O.
B. S., University of the South, 1918

DANFORD, BYRON Athens, O.
Ohio University, 1917-20

DAVIS, JR., THOMAS HUGH Middleport, O.
Miami University, 1917-20

DAY, HUGH MELVIN Huntington, W. Va.
Marshall College, 1918-20; *Ibid., summer terms*, 1919, 1920

ELLIOTT, FRANK ELLSWORTH 2605 Eden Ave.
University of Cincinnati, 1918-20

EVANS, WILLIAM HAROLD Springfield, O.
A. B., Wittenberg College, 1920

FRITZ, HAROLD DEWEY Arcanum, O.
Ohio Wesleyan University, 1917-20

GILLS, WILLIAM MORGAN Patriot, O.
A. B., Ohio University, 1920

*Withdrawn

GOOD, RALPH WILLIAM 305 West McMillan St.
University of Cincinnati, 1918-20

*GROMME, EDWARD JUSTUS 1832 Brewster Ave.
D. D. S., Ohio State University, 1917; *University of Cincinnati*, 1918-20, *summer terms*, 1919, 1920

HANSON, MALCOLM B. Sauk Centre, Minn.
Carleton College, 1916-17, 1918-19; *University of Minnesota*, 1919-20

HEINHOLD, FRED WILLIAM 2471 McBrayer Ave.
University of Cincinnati, 1915-17, 1919-20

HERMAN, SAMUEL WILLARD Oakland, Cal.
University of California, 1916-17, *one-half year*, 1917-18, *Ibid.*, 1919-20; *University of Cincinnati, summer term*, 1920

HOFFMAN, HAROLD LATATE 242 Hosea Ave.
University of Cincinnati, 1918-20

HOLDT, GEORGE GORDON Rugby Road
University of Cincinnati, 1918-20

HUETHER, WALTER WILLIAM 2918 Jefferson Ave.
University of Cincinnati, 1917-18, 1919-20

IBER, FRANK 1739 Elmore St.
University of Cincinnati, 1918-20; *summer term*, 1919

JAMES, DORRENCE STANTON Delaware, O.
Ohio Wesleyan University, 1918-20

JONES, LOUIS EDWIN Norwood, O.
Ph. B., Brown University, 1920

*KANE, LAWRENCE ANTHONY 913 Paradrome St.
St. Xavier College

KELLEY, ANDRA MAIN Salem, W. Va.
Salem College, 1917-18; *University of Cincinnati*, 1919-20

KINDEL, DANIEL JOSEPH 909 Dayton St.
University of Cincinnati, 1918-20

KOTTE, ROBERT HENRY 3436 Cornell Pl.
University of Cincinnati, 1918-20, *summer term*, 1919

LANSHE, JOHN LEO Allentown, Pa.
Muhlenberg College, 1918-20; *Jefferson College, summer term*, 1920

LEVIN, HYMAN PETER Cleveland, O.
Baldwin Wallace College, 1916-19

MCKIBBEN, CLOVIS LITLE Carbondale, O.
Ohio University, 1914-15, 1918-20

MCMANIS, SAMUEL EASTON Winchester, O.
University de Montpellier (France), 1919; *A. B., Ohio Wesleyan University*, 1920

MAGLY, HELEN MARGARET 2520 Woodburn Ave
University of Cincinnati, 1918-20

MALONE, JAMES AMBROSE Athens, O.
A. B., Ohio University, 1919

MASSIE, RALPH FRANKLIN Haverhill, O.
Ohio State University, 1918-20; *University of Cincinnati, summer session*, 1920

MEYERS, HARRY JOSEPH 4119 31st St., Oakley
University of Cincinnati, 1917-18, 1919-20

MOUK, ELMER SULTZBAUGH Springfield, O.
A. B., Wittenberg College, 1920

MYNCHENBERG, JR., GEORGE CARL Chicago, Ill.
A. B., Wittenberg College, 1920

NAKAYAMA, JOSEPH THOMAS Oakland, Cal.
University of California, 1916-18, 1920

*Withdrawn

NORTON, HAROLD JACOB Hope, Ind.
DePauw University, one-half year 1917-18; *University of Cincinnati*, 1918-20

PUGH, ROBERT HAMPTON 125 Kinsey Ave.
A. B., Miami University, 1920

ROBINS, HARVEY ELLIS Allentown, Pa.
University of Pennsylvania, 1918-19; *Ibid., and Muhlenberg College*, 1919-20

ROBINS, HUGH BARBER Charleston, W. Va.
University of Pennsylvania, 1918-20; *Muhlenberg College, summer term*, 1920

ROEHLL, WALTER HENRY Dayton, O.
St. Mary College, 1918-20

SCHIFF, LEON 807 W. Ninth St.
University of Cincinnati, 1918-20; *summer term*, 1920

SCHLUETER, ELMER ANTHONY Dale and Grove Aves.
University of Cincinnati, 1918-20

SCHWARTZ, BERNARD AARON 403 Rockdale Ave.
University of Cincinnati, 1918-20; *summer term*, 1919

*SCOTT, CASH LEON New Vienna, O.
Ohio University, 1915-17, 1919-20

SIKES, CLAYTON REID 6336 Ridge Ave.
Miami University, 1918-20; *Ohio State University, summer term*, 1920

SMITH, FRANCIS CLAYTON Mt. Victory, O.
Miami University, 1916-19

SMITH, PAUL BROWN Ross, O.
University of Cincinnati, 1918-20

STEINECKE, OLGA EMMA Keystone, W. Va.
University of West Virginia, 1918-20; *University of Cincinnati, summer term*, 1920

STRICKER, CLIFFORD JOHN 60 East Clifton Ave.
University of Cincinnati, 1918-20

TEMPLETON, HARRY DALE Rushville, Ind.
Indiana University, 1915-17; *University of Cincinnati*, 1919-20

WADE, JAMES P. S. E. cor. 8th and Main Sts.
St Xavier College, 1918-20

WERTHEIM, WILLIAM 58 S. Warwick Apts.
University of Cincinnati, 1918-20

WILSON, OTIS MELVELL Aurora, Ind.
A. B., Indiana State Normal College, 1919

WOODHOUSE, GEORGE ALBERT Jacksonville, O.
Ohio University, 1917-20

YORK, ARLEY BROMLEY Huntington, W. Va.
University of Louisville and Marshall College, 1918-19, *Marshall College*, 1919-20

Irregular Freshmen

ANDERSON, HARRY FORD Morrow, O.
Miami University, 1917-19; *summer term, Western Reserve University, School of Medicine*, 1919

HALL-QUEST, (MRS.) SHIRLEY KNOX 18 Maplewood Apts.
University of Illinois, 1913-14; *University of Cincinnati*, 1918-20

*WALKOW, MAX BENJAMIN Fort Worth, Tex.
University of Oklahoma, 1915-19

*Withdrawn

Specials

Bitter, Charles Raymond Jewish Hospital
University of Cincinnati, 1918-19
Clark, Elizabeth L. 32 E. Hollister St.
Gillespie, William May and June Sts.
Maddock, Stephan James 1545 Ruth Ave.
A. B., University of Cincinnati, 1919
Pfefferkorn, Blanche, r.n. General Hospital
Thorpe, Ruth Jewish Hospital
*Van Hoose, Harold Nolan, W. Va.
Young, Lawrence E. 1632 Freeman Ave.

SCHOOL OF NURSING AND HEALTH

Candidates for Certificate in Public Health Nursing

McKibben, Ethel Marie Cincinnati General Hospital
Diploma of Graduate Nurse, University of Cincinnati, 1918
Wheeler, Julia Wickes 247 Church St., Poughkeepsie, N. Y.
Columbia University, summer, 1915; *School of Nursing and Health, University of Cincinnati*, 1918-19, 1919-20, 1920-21
Yount, Agnes Ramsey Sayler Park, O.
A. B., Smith College, 1915; *School of Nursing and Health, University of Cincinnati*, 1918-19, 1919-20, 1920-21

Candidates for Bachelor of Science Degree and Diploma of Graduate Nurse

Pre-Nursing and Post-Nursing Students in the College of Liberal Arts

Clark, Marjorie Medina, O.
Oberlin College, 1913-14, 1914-15, *first semester*, 1915-16
Doherty, Cecil Hazel Montgomery, O.
University of Cincinnati, second semester, 1916-17, 1917-18
Leming, Georgia Station C, Cincinnati, O.
University of Cincinnati, 1919-20
Moorehouse, Dorothy Henriette Montgomery, O.
Agnes Scott College, 1914-15, 1915-16
Mote, Neva Pauline 518 N. Ash St., Piqua, O.
University of Cincinnati, summer, 1919
Prickett, Margery Marie Fayette, O.
Denison University, 1917-18, 1918-19

Third-Year Students in the School of Nursing and Health

Addicott, Gertrude Irene 116 North Oakland Ave., Sharon, Pa.
Alexander, Addie Frances 402 Broadway, Everett, Mass.
University of Cincinnati, 1917-18
Beckett, Alice Hamilton, O.
University of Wisconsin, second semester, 1917-18
Bingel, Doris Augusta 124 Lyon St.
A. B., University of Cincinnati, 1911
Block, Beatrice Frances 3025 Fairfield Ave.
A. B., Wellesley College, 1918

*Withdrawn

Bridge, Charlotte Elizabeth Franklin, O.
Busche, Margaret Jeanette Columbus Grove, O.
Ohio State University, 1916-17, *first semester*, 1917-18
Cramer, Hester Naomia Edenton, O.
Doherty, Cecile Hazel Montgomery, O.
University of Cincinnati, second semester, 1916-17, 1917-18
Evans, Nellie Irene Letts, Ind.
Faber, Marion Julia 1638 N. Glen Oake Ave., Peoria, Ill.
A. B., Leland Stanford Jr. University, 1910; *University of Chicago, summer*, 1913; *University of Wisconsin, summer*, 1915
Fergus, Gertrude 712 Fourth Ave., N. Great Falls, Mont.
University of Montana, 1916-17, 1917-18
Findlay, Erma Luella Collinsville, O.
Goldstein, Rose 3322 Augusta Ave., Cheviot, O.
Granlund, Aurora Christina St. Mary's Ave., Sidney, O.
Hart, Helen Gladys 6010 Prentice St.
Haspel, Bertha Greencastle, Ind.
A. B., DePauw, 1909
Herold, Lula Bryan Huntersville, W. Va.
Heuser, Willie Irvine Beckley, W. Va.
Graduate, New Haven Normal School for Gymnastics, 1916
Hogue, Hermena Josephine 230 Crafton Ave., Dayton, O.
Jellison, Gladys Margaret West Alexandria, O.
Lange, Katherine Henrietta 1366 Ernst St.
Leahy, Mary Christina 403 S. Union St., Natchez, Miss.
Lukemire, Barbara Williamsburg, O.
Miami University, summers, 1917-, 1918, *University Extension*, 1917-18
McKinney, Gladys Jeanette Newtown, Ind.
B. S., Wooster College, 1918
Meagle, Sadie Catherine 830 Front St., Marietta, O.
Metcalfe, Dorothy Eunice Hess Apts., Wyoming, O.
Miller, Emma Lydia 5728 Arnsby Pl.
Moorehouse, Dorothy Henriette Montgomery, O.
Agnes Scott College, 1914-15, 1915-16
Morgan, Catharine Frances 516 N. Division St., Union City, Ind.
Mote, Neva Pauline 518 N. Ash St., Piqua, O.
University of Cincinnati, summer, 1919
Ochs, Esther May Lancaster, O.
Rowlen, Mary Pancake 189 N. Main St., London, O.
Ward Belmont College, 1916-17; *Ohio State University*, 1917-18
Slater, Marguerite 1800 Greenup St., Covington, Ky.
Startsman, Elizabeth Marjorie Terrace Park, O.
Steinhardt, Anne Virginia 312 Montgomery St., Marietta, O.
Stickney, Helen Burton 7029 Longview St.
University of Cincinnati, 1916-17, 1917-18
Stockwell, Donna Lucretia Mechanicsburg, O.
Wheeler, Julia Wickes 247 Church St., Poughkeepsie, N. Y.
Columbia University, summer, 1915
Yount, Agnes Ramsey Sayler Park, O.
A. B., Smith College, 1915

Second-Year Students in the School of Nursing and Health

Bender, Emily Elizabeth 731 Seventh St., Portsmouth, O.
Bindley, Ruth Katherine 9 Blue Grass Ave., Ft. Thomas, Ky.
Campbell, Marjory Genevea 337 Sixth St., N. E., Canton, O.

Diehl, Clara 504 E 120th St., Cleveland, O.
Durbin, Mary Nancy Bellville, O.
Ohio State Normal, summers, 1914, 1916
Fernstrom, Helma Josephine Ogallala, Neb.
Northwestern University, first semester, 1916-17, *first semester*, 1917-18
Gestel, Clara Elizabeth Hopkinton, Iowa
Upper Iowa University, summers, 1914, 1915, 1916, 1918
Hegler, Helen Virginia 3175 Linwood Rd.
Hibbert, Ida Lynette 527 Arden Pl., Toledo, O.
Lloyd, Wilma Fletcher 4830 N. Troy St., Chicago, Ill.
Indiana University, 1917-18
Philbrook, Roberta Cynthia Cardington, O.
Wooster College, summer, 1912
Prickett, Margery Marie Fayette, O.
Denison University, 1917-18, 1918-19
Tracy, Mary Jean 10 California St., Zanesville, O.
Warrington, Emily 112 E. First St., London, O.
Wayne, Besse Mae R. F. D. No. 6, Bellefontaine, O.
Work, Eva Elizabeth 932 Morris St.
University of Cincinnati, 1917-18

First-Year Students in the School of Nursing and Health

Arvin, Ellen 703 E. Jefferson St., Valparaiso, Ind.
Barrett, Mary S. E. cor. Charlton and Euclid Aves.
A. B., University of Cincinnati, 1920
Beeler, Edith Devona Bluffton, Ind.
Burton, Caroline Gilliam Ruffin, N. C.
A. B., North Carolina College for Women, 1920
Carpenter, Nora Ansonville, N. C.
B. S., North Carolina College for Women, 1911; *University of Tennessee, B. S. in Home Economics*, 1913
Cary, Rachel Naomi 62 Southgate Ave., Ft. Thomas, Ky.
Cheney, Kathryn Mechanicsburg, O.
Collins, Cora Kathryn 231 S. Main St., Miamisburg, O.
Conant, Sara Louise 6115 St. Lawrence Ave., Chicago, Ill.
Crone, Mildred Armstrong Newtown, O.
Ohio Mechanics Institute, 1907-1909
De Wolfe, Ruth Lucile Racine, O.
Emrie, Mary C. R. R. No. 3, East St. Louis, Ill.
Ernest, Bessie Pauline Prattville, Mich.
Fowler, Alice 528 Fourth St., Marietta, O.
Gardner, Bernice Eleanor Columbus Grove, O.
Gorey, Margaret Mary 331 W. 4th Ave., Columbus, O.
Hutchings, Mildred Sophronia Mechanicsburg, O.
Hall, Linnie Gail 615 E. Arch St., Portland, Ind.
Hays, Sara Priscilla 813 Phillips St., Marietta, O.
Jones, Eleanor Beckwith Park Place, Circleville, O.
A. B., Smith College, 1918
Kiser, Mary Amanda West Liberty, O.
Wooster College, 1919-20
Kopp, Cyrilda Anna 8 Hickman St , Mt. Healthy, O.
Lipp, Dorothy Division St., Union City, Ind.
McDonald, Laura 211 North Walnut St., Cynthiana, Ky.
Macy, Mildred Tippecanoe City, O.
Mueller, Elizabeth Ellen 825 Second St., Marietta, O.

Owens, Ethel Metz R. R. No. 3, Tippecanoe City, O.
Ohio Northern University, 1912 (*summer term* 12 *weeks*); *Antioch College*, 1913 (*summer term* 8 *weeks*); *Ohio Northern University*, 1914 (*summer term* 12 *weeks*)
Pence, Bernadine 3054 Feltz Ave., Westwood
Perin, Florence May R. R. No. 1, Newtown, O.
Reehl, Flora Hilda 960 E. Pearl St., Miamisburg, O
Schowalter, Alice Elsa Fairhope, Ala.

Special Students

Apger, Mary Louise North Baltimore, O.
Black, Irene Jeannette 218 West Laus Ave., Seymour, Ind.
Dudley, Eva Terrell Box 422, Wilmington, O.
Erman, Beatrice Helen 211 Forest Ave
Haslitt, Ida Margaret 1007 N. 4th St., Marquette, Mich.
Hauk, Kathryn Mae 207 W. Water St., Piqua, O.
Kernan Esther Beatrice Tiffin, O.
Lantz, Louise 102 S. Second St., Miamisburg, O.
Quinlan, Ellen Dorothy 3206 Columbia Ave.
Weber, Margaret Dorothea R. F. D. No. 3, Springfield, O.
Wolfstein, Therese 847 Glenwood Ave.

Affiliated Students

Abbot, Mary Louise 902 Dayton St., Hamilton, O.
Anderson, Mae Sunbury, O.
Atkinson, Nan Rome, Ga.
Bauman, Jennie Sharp Station L, R. R. No. 3
Bonham, Mary Audrey Trinway, O.
Borg, Lilian Carin Piqua, O.
Bovey, Ivadell Ostrander, O.
Bowman, Pauline Lima, O.
Bradford, Hilda Marguerite Butler, Ky.
Brower, Ruth E. Milford, O.
Brown, Edith Romane Lancaster, O.
Bruce, Della 120 S. 14th St., Richmond, Ind.
Brunhoff, Alma 215 Forest Ave., Avondale
Buchholz, Estella Martin Route No. 3, Bradford, O.
Castle Elma Leona 230 Uhler Ave., Marion, O.
Castle, Eva Ion 230 Uhler Ave., Marion, O.
Collins, Helen Barnum 1010 Harrison Ave., Jeffersonville, Ind,
Cunningham, Edna Lucille R. F. D., Marion, O.
Curran, Esther Catherine 4158 Wilter St.
Denton, Rhea Rozelia Lancaster, O.
Dick, Irene Taylor 1018 Christel Ave., Middletown, O.
Dodd, Natalie Mirabel 106 Wellington Pl
Doty, Agnes R. R. 14, Mt. Healthy, O.
Downing, Ada Pearl Belle Center, O.
Easton, Ila Belle Morrow, O.
Eschmeyer, Bertha Elizabeth New Bremen, O.
Frankel, Beatrice 3438 Dury Ave., Avondale
Frick, Norma Dorothy 517 Maple St., Elmwood Pl.
Fry, Bessie Marie Care Dallas Fry, Van Wert, O.
Fry, Gertrude May R. R. No. 3, Dayton, O.
Fryar, Lonella Ansonia, O.
Fulling, Esther Louise Elberfeld, Ind.
Gaebel, Bertha Mary Brookville, O.

GARARD, ANNA LUCILLE 704 High St., Ft. Wayne, Ind.
GILLILAN, SUSAN RUTH Lewisburg, W. Va.
GRILLIOT, URSULA ELIZABETH Yorkshire, O.
GROSS, HELEN UNA 235 Laquines St., Findlay, O.
HALL, GLADYS MADELYN Clyde, O.
HAND, MARY LOUISE Tippecanoe City, O.
HARRIS, MARY ELLEN 724 Linden St., Fremont, O.
HARROD, AUDA ANNE Harwood, O.
HELBERT, MARY ELIZABETH 127 W. Walnut St., Ashland, O.
HEMSCHEMEYER, HATTIE Sheboygan Falls, Wis.
HENDERSON, KATHERINE Wilmington, O.
HENNINGS, MINERVA BELLE Care Mrs. Frank Goldner, N. Baltimore, O.
HERBERT, RUBY Huntington, W. Va.
HERMAN, FRIEDA CHRISTIAN 145 S. 7th St., Zanesville, O.
HERMAN, RUTH Zanesville, O.
HETRICK, NELLIE Oxford, O.
HETZLER, LILLIAN AGNES Dayton, O.
HIRSCHBERG, CORRINE JULIA 3121 Harvey Ave.
HOOK, MARTHA RUTH Piqua, O.
HOOVER, DOROTHY White Cottage, O.
HUNT, LINNIE FLORENCE 203 Irving St., Toledo, O.
HUTCHESON, GEORGIA R. D. No. 2, Ostrander, O.
JENKINS, EMMA Fort Branch, Ind.
JOCKERS, LOUISE ANNA 3915 Eastern Ave.
KELLER, LILLIAN A. 516 S. 7th St., Hamilton, O.
KENNETT, BEULAH MAE 19 N. Haller St., Dayton, O.
KETCHAN, NINA BELLE Moore's Hill, Ind.
KNABLE, LUCILLE CHIQUITA 319 Walnut St., Findlay, O.
LAUBE, EDNA MARIE 834 Putnam St., Findlay, O.
LEWIS, MABEL KNOOP Box 26, Casstown, O.
LINGENFELTER, SARAH 2120 Eighth Ave., Altoona, Pa.
MCCONNELL, MILDRED CHANDLER Mt. Olivet, Ky.
MCCLYMON, RUTH ISABEL 3642 Ridge Ave.
MCDANIELS, CECILE MAE East South St., Sidney, O.
MCGORMLEY, ELSIE MAE R. R. No. 1, Fremont, O.
MCINTYRE, ALEXANDRINE MARGARET Stoney Creek, Ontario, Canada
MCPHERSON, EDNA Warren, Ind.
MACFARLANE, REBECCA Everett, Wash.
MACY, EDYTHA BEATRICE Waynesville, O.
MARTIN, LUCILLE 2323 Rohs St.
MAURER, MARY RACHEL Route No. 4, Covington, O.
MEYERS, SUSAN A. Sitka, Alaska
MILLER, MARY MARRS County Infirmary, Sidney, O.
MILLER, META KATHRYN 523 Evanswood Place, Clifton
MILHOLLAND, MARY CATHERINE Piqua, O.
MONROE, GOLDIE Pennsboro, W. Va.
MOORE, SARA Maysville, Ky.
MORRISON, NINA AUGUSTA 337 Washington St., Xenia, O.
MOUGEY, CATHERINE Piqua, O.
MOWRY, ELMA LUCILE Celina, O.
NATHAN, HORTENSE ODESSA 338 Albany Ave.
NEHER, MARGARET MILDRED Christ Hospital, Cincinnati
NICELY, GRACE ERDINE R. R. No. 14, Dayton, O.
NORDHOUS, AMANDA Ottawa, O.
O'CONNELL, MAYME Lexington, Ky.
OSMUN, ESTHER CATHERINE 218 Center St., Findlay, O.
PARKER, CLARA FIRMIN Care Clark L. Parker, 210 Center St., Findlay, O.

PAYNE, KATHERINE ELIZABETH 4438 Hamilton Ave.
PAYNTER, MARY ELIZABETH 246 Putnam Ave., Zanesville, O.
PETERMAN, FLORENCE LOUISE 5725 Prentice St.
PETERSON, COSEY MAE Findlay, O.
PETERSON, MARGARET ELVIRA Jamestown, N. Y.
PFITZER, CAROLYN ELIZABETH Jewish Hospital, Cincinnati
POWELL, ANNABEL R. F. D. No. 3, Urbana, O.
PROPST, LUCILE MILDRED 216 E. Crawford St., Paris, Ill.
RATCLIFFE, JACQUE Rome, Ga.
REED, RUTH ALICE 15 Joseph St., Mt. Healthy, O.
RICHARDSON, RUBY BELLE Spencerville, O.
ROSE, NELLIE MAY Lexington, Ky.
ROSEBRAUGH, FERN LEONA College Corner, O.
RUSK, CORA Los Angeles, Cal.
SANDERSON, ELSIE MELISAS Mount Vernon, Ia.
SCHENK, FLORENCE VAIOL Jewish Hospital, Cincinnati
SCHIFFERLY, HULDA ELIZABETH Bluffton, Ind.
SCHLIESTEET, INEZ Box 610, Cedartown, Ga.
SCHWELLER, LIDWINA GERTRUDE 658 Richard St., Dayton, O.
SEEMAN, EMMA MARIE 422 Main St., Hamilton, O.
SHAFFER, OLIVE EILEEN 717 E. Second St., Dayton, O.
SOMMER, SOPHIE FRIEDERIKA 1277 Thoreau Rd., Lakewood, O.
STEARNS, HELEN ELIZABETH Weston, Wood County, O.
STEPHENSON, NITRO MILLIKIN 137 Boone Ave., Winchester, Ky.
STRIKER, MARGUERITE 214 E. 7th St., Covington, Ky.
STUART, MARGUERITE ROBERTA Bremen, O.
TOOMEY, ELIZABETH Athens, Lexington, Ky.
WEIL, JEANETTE 216 Catonia St., Montgomery, Ala.
WEITTHOFF, MARY SOPHIE Londonville, O.
WELLS, JESSIE CORRINE Marietta, O.
WESTENDORF, ELEANORE Richmond, Ind.
WOLFE, TILLIE Amelia, O.

COLLEGE OF LAW

REGULAR STUDENTS

Third Year

ADLER, MRS. JESSIE 3637 Alaska Ave.
A.B., University of Cincinnati

BRIGGS, NETA L. Belle Center, O.
Ohio State University

CLOSS, REGINA BARBARA 3446 Whitfield Ave.
University of Cincinnati

FEIST, KARL ALOYSIUS East Liverpool, O.

FREY, CARL WILLIAM 3018 Verdin Ave.
University of Cincinnati

KEARNS, GEORGE E. 1629 Argyle Pl.
A.B., St. Xavier College

KOODISH, MAURICE HYMAN 844 Windham Ave.
University of Cincinnati

KREITER, LOUIS HENRY 210 S. Columbia St., Galion, O.
Ohio State University

LYTLE, LAWRENCE R. 2064 Eastern Ave.
A.B., University of Cincinnati
MCCONAUGHY, FRANCIS BENEDICT 2030 Auburn Ave.
A.B., Harvard University
O'BRIEN, PAUL A. 815 N. Limestone St., Springfield, O.
A.B., Wittenberg College
POWERS, EDGAR MAURICE 3505 Burnet Ave.
A.B., University of Cincinnati
SHAFFER, FRANK HOLMES, JR. 2260 Park Ave.
A.B., Yale University
SMITH, GEORGE PARKER Swanton, O.
University of Michigan
WELLER, HENRY JOSEPH (*ELA*) 1314 Main St.
University of Cincinnati
WESTERFIELD, EARL FRANK 794 Delhi Ave.
A.B., St. Xavier College

Second Year

ADLER, SIDNEY F. 574 Hale Ave.
University of Cincinnati
ATTIG, DAVID V. 2054 Eastern Ave.
BALCH, DEWITT WOODFORD 2929 Annwood Ave.
A.B., Yale University
BEARD, STEPHEN SYLVESTER Grover Hill, O.
Ohio Northern University
BERGMAN, MAURICE Chillicothe, O.
Ohio State University
BOESCH, HORACE JOSEPH 528 S. Main St., Dayton, O.
St. Mary's College
CLIPPINGER, JOHN H. 4412 Erie Ave.
Western Reserve University
COHN, HARRY MARCUS (*ELA*) 817 Mann Pl.
Brown University
COOPER, WILLIAM JENNINGS BRYAN 250 Conover St., Dayton, O.
Ohio Wesleyan University
CRONE, PAUL JOSEPH 1261 First Ave.
A.B., St. Xavier College
DAILEY, JOHN WILLIAM Milford Center, O.
Ohio State University
DEMPSEY, EDWARD JAMES, JR. 551 Purcell Ave.
Brown University
DILATUSH, CHARLES DONALD Lebanon, O.
DUNIFON, WILLIAM DALE 120 S. Wall St., Van Wert, O.
Harvard Radio School
FALK, DAVID LINCOLN 539 W. 8th St.
A.B., University of Cincinnati
GARLAND, CARL ZENAS Milford, O.
University of Cincinnati
GAYNOR, GUY Front St., Franklin, O.
Ohio State University
GINGHER, PAUL RUTTER 526 Kelton Ave., Columbus, O.
Ohio State University
HARMAN, WILLIAM MAHAN Parsons, W. Va.
Ohio University
HARVEY, WILLIAM (*LA D&E*) 734 E. Epworth Ave.
University of Cincinnati

JUERGENS, URBAN RAYMOND R. F. D No. 1, Springfield, O.
Wittenberg College
KOLTER, ROBERT THEODORE Wapakoneta, O.
Ohio State University
KRICKENBERGER, HERMAN FRANKLIN 1400 Pythian Ave., Springfield, O.
University of Cincinnati
METZGER, WALTER L. 3436 Woodburn Ave.
PETZHOLD, CORNELIUS JOHN 2219 McGregor Pl.
A.B., University of Cincinnati
PHILLIPS, GORDON Chillicothe, O.
Miami University
PREDMORE, HAROLD A. Marathon, O.
A.B., Miami University
RAFALO, MAX (*ELA*) 1509 Central Ave.
University of Cincinnati
RHINE, MRS. LENORE MCELROY 5730 Bramble Ave.
Miami University
RODERICK, WILLIAM AUSTIN 29 Chestnut St., Jackson, O.
Ohio Wesleyan University
STONE, LEAH ELLENBOGEN 222 Trenton St., Harriman, Tenn.
University of Tennessee
STRICKER, LOUIS JULIUS 338 W. Rockdale Ave.
University of Cincinnati
TENNENBAUM, ABRAHAM (*CC*) 3548 Bogart Ave.
University of Cincinnati
THRALL, RICHARD CAMERON Marysville, O.
WELLER, FRANK JOSEPH (*ELA*) 1314 Main St.
University of Cincinnati

First Year

ARNOLD, JR., LOUIS EDWARD 521 E. 4th St., Newport, Ky.
University of Cincinnati
BARBOUR, MYRON FROOME R. R. No. 3, Aurora, Ind.
Marysville College
BEALL, JR., AUGUSTUS 2220 Highland Ave.
University of Cincinnati
BECKER, HAROLD CLINTON 70 Avery Ave., Detroit, Mich.
Wittenberg College
BECKER, RUSSELL CLIFFORD 70 Avery Ave., Detroit, Mich.
Wittenberg College
COLLINS, ELIZABETH LOUISE 2394 Mound Ave., Norwood, O.
Ph.B., Denison University
CONFER, WALTER JOHN 312 Main St., Hamilton, O.
U. S. Naval Academy
ECKERT, WALTER JOHN 3736 Highpoint Ave.
University of Cincinnati
GREENBAUM, LOUIS Y. 542 Hale Ave.
Cornell University
HAHNE, EUGENE 414 Grafton Ave., Dayton, O.
Otterbein College
HALL, W. DONALD 2210 Ohio Ave.
University of Cincinnati
HANABERGH, FRANK JOHN 720 E. 9th St., Newport, Ky.
University of Cincinnati
HOUSTON, JOHN HOWARD Georgetown, O.
Ohio State University
KRAMER, WILBUR H. 221 W. Second St., Chillicothe, O.
Miami University

MANSFIELD, FRED Eaton, Ind.
MAPES, JR., CHARLES WARNER 254 S. State St., Marion, O.
Miami University
MAPLE, CHARTERS DYCHE Lebanon, O.
Miami University
MARKLEY, OGDEN JOHNSON Forestville, O.
A.B., Wittenberg College
METZGER, GEORGE Cleves, O.
University of Cincinnati
MILLS, MYRON EPLER 452 S. Cass St., Virginia, Ill.
University of Illinois
OWEN, BENJAMIN FRANKLIN 123 W. Reynolds St., Urbana, O.
PEISER, WALTER GILBERT Hebrew Union College
University of Cincinnati
SCHILDERS, EDNA E. 35 W. 4th St., Chillicothe, O.
National Park Seminary
SHIELDS, JOHN DEWEY 2134 Madison Rd.
A.B., University of Cincinnati
SHILLMAN, SAMUEL ROSNAN 3465 Reading Rd.
A.B., University of Cincinnati
SMITH, FORREST WARDELL 3449 Woodburn Ave.
University of Cincinnati
STICKNEY, IVEN CECIL Montpelier, O.
Tri-State College
THAYER, ROBERT GEORGE 3414 Telford Ave.
A.B., University of Cincinnati
TIEBEN, JOHN ANTHONY 3104 Gilbert Ave.
St. Xavier College
WILLIAMS, JOSEPH IRVIN 3042 Burnet Ave.
University of Cincinnati
WILSON, VERN W. 4292 Ashland Ave., Norwood, O.
Miami University

IRREGULAR STUDENTS

DAVIES, CHASE MASON (*LA*) 1629 Lincoln Ave.
University of Cincinnati
STERN, HARRY J. 510 Union St.
University of Cincinnati

SPECIAL STUDENTS

ROGERS, RAY R. 603 Coppin Bldg., Covington, Ky.
Ohio State University

REGISTRATION OF STUDENTS

End of Academic Year, 1919-1920

GRADUATE SCHOOL (including 2 duplicates)			162
McMICKEN COLLEGE OF LIBERAL ARTS:			
Seniors (including 2 duplicates)	91		
Juniors (including 1 duplicate)	112		
Sophomores	193		
Freshmen	306		
Irregulars	15		
Specials (including 3 duplicates)	100		
		817	
Unclassified		40	
Evening (including 168 duplicates)		744	
			1,601
COLLEGE FOR TEACHERS:			
Fifth-Year (including 11 duplicates)	26		
Seniors	34		
Juniors	25		
Sophomores	27		
Freshmen	29		
Specials	15		
Teachers	128		
			284
COLLEGE OF ENGINEERING AND COMMERCE:			
Regular Students:			
Seniors	3		
Juniors	5		
Sophomores	4		
Freshmen	13		
Specials	3		
		28	
Cooperative Students:			
Fifth-Year	44		
Fourth-Year	72		
Third-Year	113		
Second-Year	169		
First-Year	383		
Specials	12		
		793	
Commerce Students:			
Regulars	19		
Evening (including 7 duplicates)	297		
		316	
			1,137

College of Medicine:			
Graduates	3		
Seniors	45		
Juniors	62		
Sophomores	42		
Freshmen	72		
Specials (including 1 duplicate)	14		
		238	
School of Nursing and Health		120	
			358
College of Law:			
Third-Year	15		
Second-Year	26		
First-Year	42		
Irregulars	55		
			88
Gross Total			3,630
Twice Counted			195
Net Total (regular departments)			3,435
Affiliated Department:			
Clinical and Pathological School of the Cincinnati Hospital	77		
Twice Counted	44		
Net Total (affiliated department)		33	
Affiliated with the School of Nursing and Health		97	
			130
Net Total (all departments)			3,565

REGISTRATION OF STUDENTS

End of Academic Year 1920-1921

GRADUATE SCHOOL (including 20 duplicates)			166
McMICKEN COLLEGE OF LIBERAL ARTS:			
Seniors	90		
Juniors	118		
Sophomores	182		
Freshmen	355		
Specials (including 2 duplicates)	112		
Irregulars	14		
		871	
Classes for Teachers		24	
Evening Academic Classes (including 162 duplicates)		788	
			1,683
COLLEGE FOR TEACHERS:			
Graduates (including 14 duplicates)	26		
Seniors	60		
Juniors	57		
Second-Year	4		
First-Year	16		
Specials	69		
Teachers	97		
Diploma—First and Second-Year	28		
			357
COLLEGE OF ENGINEERING AND COMMERCE:			
Cooperative Students:			
Seniors	77		
Juniors	90		
Pre-Juniors	144		
Sophomores	219		
Freshmen	411		
Specials	9		
		950	
Evening Commerce		409	
			1,359
COLLEGE OF MEDICINE:			
Seniors	62		
Juniors	45		
Sophomores	63		
Freshmen	64		
Specials	8		
		242	
School of Nursing and Health (including 2 duplicates)		101	
			343

College of Law		85
Gross Total (regular departments)		3,993
Twice Counted		284
Net Total (regular departments)		3,709
Affiliated Department:		
Clinical and Pathological School of the Cincinnati Hospital	93	
Twice Counted	62	
Net Total (affiliated department)	31	
Affiliated with the School of Nursing and Health	122	
		153
Net Total (all departments)		3,862

Graduate School	College of Liberal Arts						College of Engineering and Commerce					College for Teachers				College of Medicine					College of Law			
				Evening					Evening Commerce									Nursing and Health						
	Regulars	Irregulars	Specials	Irregulars	Specials	Total	Regulars	Specials	Irregulars	Specials	Total	Regulars	Irregulars	Specials	Total	Regulars	Irregulars	Regulars	Specials	Total	Regulars	Irregulars	Total	
166	745	14	136	291	497	1683	941	9	195	214	1359	191	97	69	357	234	8	90	11	343	82	3	85	
166						1683					1359				357					343			85	

Gross Total 3993
Duplicates 284

Net Total 3709

Affiliated { Clinical and Pathological 31
{ Nursing and Health 122

153

NET TOTAL (all departments) 3862

GENERAL INDEX

Absences 109, 178, 225
Abraham Memorial Prize 290
Accounting 212
Accredited Schools 100, 176
Addresses and Lectures 43–48
Addresses, Public 43
Administration, Course in 226
Administrative Officers:
 University 11
 Liberal Arts 25
 Engineering 25
 Commerce 25
 Teachers 25
 Graduate School 25
 Medicine 40
 Nursing and Health 40
 Law 41
 Observatory 42
 Library 42
 Museum 42
 Municipal Reference Bureau 42
Admission, Requirements for
 Engineering and Commerce 175, 180
 Evening Commerce 223
 Graduate School 72
 Liberal Arts 98
 Law 280
 Medicine 234
 School of Nursing and Health 266
 Vocational Education 170
Advanced Standing:
 Engineering and Commerce 175, 181
 Graduate School 75
 Law 280
 Liberal Arts 102
 Medicine 235, 239
 Nursing and Health 268
 Surplus Matriculation Credit 101
Advancement, Medical College 238
Advertising, Course in 228
Advisory Committee in Graduate School, 73, 74
Advisory System in Liberal Arts 106
Alliance Française 43
 Scholarship 72, 297
Alms Gift 55
Alpha Omega Alpha 245, 294
 Members, 1920, 1921 294
Alumnal Association, Officers of 59, 60
 Alumnal Council 59
 Liberal Arts Alumni 59
 Alumnae 59
 Engineering Alumni 59
 Medicine 59, 60
 Law 60
American Association for the Advancement of Science, Library of 54
American Chemical Society Fund 105
American Institute of Electrical Engineers ..44
American Society of Mechanical Engineers ..45
American Medical Colleges Association Standards 235
American Medical Association Rules 235
American Red Cross Scholarship .269, 294, 295
 Recipients, 1920, 1921 295
Anatomy 77, 248, 278
Anatomical Research Room 291
 Recipient, 1921 291
Anderson Gift 55
Application for Degrees 111, 178
Applied Mathematics 86, 217
Appointment Committee 158
Armstrong-Hunter Memorial Fund 72
Armstrong-Hunter Scholarship 72, 286
 Recipient, 1921 286
Arrangement (Special) with Art Academy of Cincinnati 116
 College of Law 119
 College of Medicine 119
 Hebrew Union College 76, 115
 Home Economics 120
 Lane Seminary 76, 116
 Nursing and Health 120
 Teachers College 118
Art Academy, Special Arrangement with..116
Art, History of 136
Assistants 21, 33, 35, 38, 42
Astronomy 77, 122
Athletics 52
Auditors 72, 224
Ault and Wiborg Gift 56

Bacteriology and Hygiene ...78, 246, 252, 278
Bachelor of Arts Degree, Requirements for 110–115
Baker Gift 56
Baldwin Fellowships 72, 286, 298
 Recipients of, 1920, 1921 286
Baldwin Gift 55
Bates Gift 56
Benefactions, 1920-1921 54–57
Biblical Literature 78, 122
Bio-Chemistry 79, 246, 249
Blue Hydra 46
B'nai B'rith Gift 56
Boarding Places 179
Board of Directors, University 10
Board, Ohio State Medical Examinations of 243

Botany 79, 122, 148, 161
Braune Civil Engineering Society 46
Brown Philological Library 53
Brown Prize 104, 289
Recipients, 1920, 1921 289
Bruehl Library 53
Du Brul Gift 55
Buildings and Site 51
Bureau of City Tests 51
Burris Gift 56

Calendar 7–9
Carson Field 52
Carson Shakespeare Library 53
Catholic Visitation Society 260
Certificate, Admission on, to
Engineering and Commerce 176
Graduate School 72
Liberal Arts 100
Medicine, College of 234
Nursing and Health 267
Chemical Engineering 177, 188–193
Chemical Laboratory 52
Chemistry 80, 121, 124, 172, 277
Children's Clinic 232
Christ Hospital 233
Cincinnati College 41
Cincinnati General Hospital 38, 231
Cincinnati Lancaster Seminary 41
Cincinnati Law School 49, 51
Cincinnati Law School Scholarship 104
Cincinnati Library Association Library 234
Cincinnati Woman's Club Scholarship 295
Recipient, 1920 295
"Cincinnatian," The 58
Cincinnati Tuberculosis Sanatorium 232
Cincinnatus Society 289
Members, 1920, 1921 289
Civil Engineering 82, 193–197
Clarke Library 53
Class of 1920 Gifts 57
Class of 1921 Gift 56
Classics 82, 127
Classical Club 46
Clinical Instruction 230
Clinical and Pathological School of the Cincinnati Hospital 50, 230
Clinics 232
Clothing 164
Clubs (See Student Organizations)
Collections, Museum 52
Colleges of University
Engineering and Commerce 51, 173–229
Graduate School 51, 70–92
Law 41, 49, 51, 280–285
Liberal Arts 50, 93–148
Medicine 27–40, 51, 52, 230–264
Nursing and Health 36–40, 51, 265–279
Teachers 51, 149–172
Colonial Dames Fellowship 297
Colonial Dames War Scholarships 295
Recipients of, 1920, 1921 295
Combined Arts and Home Economics Program 120
Combined Arts and Legal Program 119, 283
Combined Arts and Medical Programs 119, 241
Combined Liberal Arts and Teaching Program 118
Combined Liberal Arts and Nursing Program 120, 272
Comegys Scholarship 105, 288
Recipients, 1920, 1921 288
Commerce 209, 212
Commerce Cooperative System ..179, 209–217
Commerce, Evening Courses in 223–229
Commercial Engineering 177
Commercial Law 217, 227

Committees
Appointment 158
Board of Directors 10
College for Teachers 149
Correlation 13
General Faculty 13
Joint, Teacher's College 149
Teacher's Appointment 158
Communications 181
Comparative Literature 84, 130
Comparative Philology 85, 135

Conditions, Entrance
Engineering and Commerce 175, 181
Medical 235
Conditions in Law 281
Conferences for Teachers 158
Contagious Department 231
Convocation 43, 281
Co-op Club Gift 57
Cooperating Teachers 150
Cooperative Engineering and Commerce 179
Coordination 185–188
Correlation, Committees on 13
Courses, Extension 148

Courses of Instruction, 1920-1921
Commerce, Evening 225–229
Teachers 159–172
Engineering and Commerce 177, 182–222
Extension Courses 148
Graduate School 77–92
Law 284
Liberal Arts 121–148
Medicine 246–264
Nursing and Health 274–279
Summer 121, 148, 246
Courses Open to Freshmen 114
Coy Gift 55
Cunningham Hall 51

D. A. R. Fellowship 72, 286, 296
Recipients, 1920, 1921 286
Dandridge Gift 55
Dandridge Memorial Library 234
Deaconess Hospital 233
Debating Certificates 288
Recipients, 1920, 1921 288
De Gisbert Library 54
Degrees, Application for 111, 178
Degrees in Arts 110
Degrees in College of Engineering and Commerce 178
Degrees in College of Medicine 244
Degrees Conferred, 1920 299–304
Degrees Conferred, 1921 305–310
Degrees, Requirements for (See Graduation)
Dermatology 257
Des Jardins Gift 55
Dietetics 153
Diploma Fees 65
Directors of University 10
Dismissal 110
Dispensary, Medical College 232
Doctor of Philosophy, Requirements for Degree of 74, 244
Drawing 183, 184
Du Pont Fellowship 298
Du Pont Scholarship 72, 177, 286
Recipient, 1920 286

Earnings 181
Eastman Gift 55
Economics 82, 128, 212
Economics of Retailing 171
Education 83, 129, 152, 159
Eichberg Chair of Physiology 89
Eichberg Library 234
Electives 115
Electrical Engineering 197–201
Elzner Gift 55
Embryology 248
Emery Chair of Pathology 87, 251
Emery Gift 54
Endowments (See Gifts)
Endowment Fund Association 57
Engineering and Commerce, College of 51, 173–229
Engineering Cooperative System 179
Engineering and Commerce Degrees 178
English 84, 130, 148, 183, 216, 217, 228
Brown Prize in 104
Entrance Conditions 175, 181
Entrance Examinations 93, 176
Entrance from Other Colleges and Universities (See Admission)
Entrance Requirements (See Admission)
Episcopal Hospital 233
Equipment 52, 231, 265
Ethics 139
Evening Classes 51, 223–229
Evening Courses in Commerce 223–229
Examinations and Grades 109
Examinations in Law 281
Examinations for Admission
Engineering and Commerce 176
Liberal Arts 93
Examinations for Advanced Standing 102
Examinations to Practice Medicine 243
Expenses 60–69
Extension Courses 148

Faculty
College for Teachers 149–151
Engineering and Commerce 173–175
Evening Commerce 21
Graduate School 70, 71
Law 41
Liberal Arts 95–97
Medicine 27–40
Nursing and Health 36–40
University 14–41
Fees and Expenses 60–69
Anesthetics 67
Deposits 68, 69
Breakage 68, 69
Locker 68
Army Uniform 68
Course for Teachers of Art 62
College of Engineering and Commerce 62, 65
Combination Courses 66
Combined Arts and Nursing 63
Contingent 67
Evening Academic Courses 62
Evening Commerce Courses 63
Extension Courses 62
Graduation 65
Graduate School 61, 64, 65
Gymnasium 66
Home Economics 62
Hospital 67
Laboratory 64, 65
Late Registration 67
Law College 64
Liberal Arts 61, 64, 65
Library 67
Medical College 63, 65
Microscope 67
Miscellaneous 66, 67
Public Health Nursing 64
School of Nursing and Health 63, 65
Special and Irregular Students 61, 63, 64
Special Courses for Teachers 62
Special Examinations 67

Student Activity 67
State Entrance Certificate 67
State Medical Board 243
Summer Law Courses 64
Summer Premedical Courses 62
Teachers College 61, 64, 65
Tuition 61–64
Fellowships 72, 177, 245, 286–298
Summary of 296–298
Finance 213, 226
First and Second-Year Courses 185
Fleischmann Gift 56
Fleischmann Scholarships 54, 103, 291
Recipients, 1920-1921 291
Foods and Nutrition 163, 278
Foremanship 156
Foundation 49, 265
Frederick A. Geier Students' Loan Fund .. 177
French 90, 144, 219
French Women, Scholarships for 288
Recipients, 1920 288
Freshman Commerce Students Gift 57
Freshman Requirements 113
Freshmen, Courses Open to 114

Geier Gifts 56, 177
General Education Board Gift 55
General Faculty, Committees of the 12
General Statement 49–69, 265
Genito-Urinary Surgery 260
Geology and Geography .85, 133, 161, 214, 218
German 85, 134, 219
Gifts 54–57
Endowment 54
Libraries 55
Miscellaneous 56
Gillespie Gift 294
Recipient, 1921 294
De Gisbert Library 54
Good Samaritan Hospital 233
Grade System 175
Grades, Scale of 109, 178, 236, 237
Graduate School 70–92, 286
Graduate Student Assistants 22
Graduates, 1920 299–304
Graduates, 1921 305–310
Graduation, Requirements for
Engineering 178
Liberal Arts 110–117
Medicine 239
School of Nursing and Health 270
Greek 82, 127
Growth 49
Gymnastics, Requirements in (See Physical Education)
Gymnasium 52
Gynecology 260

Hall Gift 56
Hanna Fellowship in Physics 72, 286, 297
Recipient, 1920, 1921 286
Hanna Hall 51
Harmon Prize 296
Health Education 277
Hebrew Union College, Special Arrangements with 76, 115
Hill Gift 55
Hill Library 54
Hillebrand Memorial Library 54
Hinkle Gift 55, 296
Histology 248
Historical and Philosophical Society of Ohio, Library of 54
Historical Statement 230
History 85, 135, 148, 161, 214, 219
Fellowship in 286
History of Art 136
History Club 47
Hochstetter Prize in Chemistry 104, 289
Recipients of, 1920, 1921 289
Holders of Fellowships since 1900 296–298
Holmes Gifts 56, 234
Home Economics, Department of 51
Home Economics 153, 162–167
Home Economic Education 166
Honorable Dismissal 110, 178
Honors 245
Honors, Course in 115
Honors in Freshman English 288
Recipients, 1921 288
Hospital, The Cincinnati General 38, 231
Hospital Library 234
Household Arts, School of 51
Hyde Gift 55
Hygiene 78, 252, 278
Hygiene and Physical Education 137, 148, 152, 167

Institutional Managers 154
Instruction, Courses of 77–92, 121–148, 159–172, 182–222, 225–229, 274–279, 284
Instruction, Officers of 14–41
Instruction, Plan of:
Graduate School 75
College of Engineering and Commerce .. 179
College of Law 285
College of Medicine 230
Interneships, 1920-1921 292
Irregular Students 280
Italian 91, 145

Des Jardins Gift 55
Jewish Hospital 233
Joint Committee 149
Jones Gift 56

Jones Prizes 104, 290
Recipients, 1920 290
Junior Requirements:
Regular 114
Honors 115

Kappa Delta Pi 291
Members, 1920, 1921 291
Kilgour Prize 245
Recipients, 1920, 1921 294
Kindergarten Training School 151
Kindergarten Training (College for Teachers) 154, 169
Kuhn Gift 55

Lane Seminary, Special Arrangement with 76, 116
Laryngology 262
Latin 82, 127
Law, College of 41, 49, 51, 280–285
Law, Commercial 217, 227
Law Library 54
Law School Scholarship 104, 288
Recipients, 1920, 1921 288
Lectures and Addresses 43–48
Lecturers:
Commerce 21
Nursing and Health 38
Levy Gifts 55, 57
Liberal Arts, McMicken College of .. 50, 93–148
Libraries
American Association for the Advancement of Science 54
Historical and Philosophical Society of Ohio 54
Law 54
Medical 54, 234
Municipal Reference Bureau 54
Observatory 54
Others of the City 54
University 53
Library Staff 42
Livingood Gift 55
Lloyd Library 54, 234
Lodge & Shipley Machine Tool Co. Loan Scholarships 177
Logan Scholarship 281
Longview Hospital 233

McKibbin Memorial Prize 104, 290
Recipients, 1920, 1921 290
McMicken, Charles, Bequest of 50
McMicken College of Liberal Arts 93–148
McMicken Hall 51
McMicken Homestead 51
McMicken Honorary Scholarships ... 104, 287
Recipients, 1920, 1921 287
Major Advisers 107
Major in College of Liberal Arts 111
Major Subject for Doctor's Degree 74
Management 166
Marketing 215, 228
Master of Arts Degree, Requirements for 73, 244
Materia Medica 253, 278
Maternity Society 259
Mathematics ... 86, 138, 162, 182, 183, 216, 220
Applied 86, 217
Maximum Hours a Week 116
Meacham Scholarship 295
Recipient, 1920, 1921 295
Mechanical Engineering 86, 201–205
Mechanics 183
Medical Art 264
Medical College Scholarships 245
Medical College of Ohio 49
Medical Jurisprudence 263
Medical Libraries 54, 234
Medicine 254
Medicine, College of 27–40, 230–264, 292
Mendenhall Scholarship 245
Merrill Library 53
Metallurgical Engineering 205–208
Method of Study in Law 285
Miami Medical College 51
Military Instruction 221
Miller Loan Collection 53
Mineralogy 85, 133
Minimum Hours, Medical College 248
Minor Subjects for Doctor's Degree 74
Mitchel Building 51
Morris Gift 57
Morris Scholarship 295
Recipient, 1921 295
Monlinier Gift 55
Municipal Reference Bureau Library 54
Municipal Reference Bureau Staff 42
Museum Staff 42
Museums 52

National Tuberculosis Association Gift 56
National History, University Museum of 52
Neurology 257
"News, University Weekly" 58
Non-Textiles 172
Nurse Registration 270
Nurses' Training School 265
Nursing, Course in 274
Nursing and Health Education 277
Nursing and Health, School of 36–40, 51, 265–279
Nutrition 163, 278

Observatory Library 54
Observatory Staff 42

Observatory, The 42, 49, 51
Obstetrics 259
Officers:
Administrative 11, 25, 41
Alumnal Association 59, 60
Instruction and Administration 14–41
Board of Directors 10
Ohio Nurses' Examining Committee 270
Ohio State Education Board Gift 56
Ohio State Medical Board of Examinations 236, 243
Ophthalmology 261
Organization, Teachers College 149
Organizations, Student 58
Orr Gift 55, 234
Orthopedic Surgery 259
Otology 262
Outline of Arts Studies 113
Outside Work 181

Palaeography 86
Paleontology 85, 133
Pathologic Institute 233
Pathology 87, 251, 279
Payments to the University (See Fees)
Pediatrics 256
Petrology 85, 133
Pharmacology 253
Phi Beta Kappa Society
New Members, 1920, 1921 290
Philology 85, 135
Philosophy 87, 139, 148, 162
Physical Education
138, 148, 152, 167, 183, 184, 221
Physics 87, 121, 140
Hanna Fellowship in 72
Recipient, 1920, 1921 286
Physiology 88, 246, 250, 278
Political Science 89, 142, 148, 162
Pollak Scholarship 269, 294
Recipient, 1919-20, 1920-21 294
Power Plant 52
Practice Court 285
Pre-Legal Program 117, 282
Premedical Summer Courses 118, 121
Premedical Program 117, 235, 241, 242
Pre-Nursing Students, Programs for 273
Pre-Teaching Program 117
Prescribed Subjects 111
Prizes 72, 103, 177, 280, 286–298
Probation 110, 178, 268
Professional Credit 157
Programs of Study, College for Teachers 152–157
Promotion, Medical College 238
Provisional Grade System 175
Psychiatry and Neurology 257
Psychology 90, 143, 148, 162, 277
Public Addresses 43
Public Health Nursing 269, 273
Public Speaking (See English)
Publications 57

Radiology 263
Ransohoff Gift 55
Record, University of Cincinnati 57
Registration of Students, 1920-1921 311–394
Summary 397
Registration, Instructions for, 106–108, 269, 285
Registration for Nurses 270
Regular Program in Arts 110–117
Regular Program in Nursing 271
Regular Program in Law 282
Regulations for Students
Engineering and Commerce 178
Liberal Arts 108
Requirements for Admission (See Admission)
Requirements for Graduation (See Graduation)
Research Assistants 35
Reserve Officers Training Corps 221
Resident Physicians, 1920, 1921 292
Retail Salesmanship 155, 171
Retailing, Economics of 171
Rhinology 262
Rhodes Scholarships 72, 105
Roberts Gift 55
Romance Languages 90, 144, 148
Ropes Lectures 47
Royal Colleges of Physicians and Surgeons of England 245
Rules Governing Medical Students 236

Salesmanship 228
Salesmanship, Retail 155, 171
Sanskrit 85
Sayler Prizes 281, 296
Recipients, 1920, 1921 296
Schedules:
Entrance Examination 93, 176
Of Study, College of Medicine 248
Scheuer Scholarship 269, 295
Recipient, 1920, 1921 295
Scholarships, 72, 103, 177, 245, 269, 280, 286–298
School of Household Arts 51
School of Nursing and Health 36–40, 51, 265–279
Schram Gift 56
"Scribe" The 58
Secondary Conference Speakers 48
Secondary Education (See Education)
Seely Library 234
Senate, University 12
Senior Requirements:
Regular 115
Honors 115
Seven-Year Arts and Medical Program, 119, 241

Sinton Professorship 82
Site 51
Six-year Arts and Legal Program 283
Six-year Arts and Medical Program 241
Social Science 91, 146, 277
Societies (See Student Organizations)
Sophomore Requirements 114
Spanish 91, 145, 215, 219
Special Arrangement with
 Art Academy of Cincinnati 116
 College of Law 119
 College of Medicine 119
 Hebrew Union College 76, 115
 Lane Seminary 76, 116
Special Courses for Teachers 156
Special Courses in Engineering 217
Special Course in Public Health
 Nursing 269, 273
Special Students:
 Commerce, Evening Courses 223
 Engineering and Commerce 176
 Law 280
 Liberal Arts 103
 Medical College 236
 Nursing and Health 268
St. Mary's Hospital 233
Stadium 52
State Medical Board of Examinations 243
Stewart Gift 55, 234
Store Organization 171
Store Practice 172
Straus Prize 105, 288
 Recipient, 1921 288
Strunk Gift 56
Student Assistants 23
Student Organizations 58
Students, List of:
 Graduate School 311
 College of Liberal Arts 317
 Evening Academic 333
 College for Teachers 345
 College of Engineering and
 Commerce 352
 Evening Commerce 369
 College of Medicine 376
 School of Nursing and Health 386
 College of Law 391
Students' Tribunal Gift 57
Studies, Election of
 Liberal Arts 106
"Studies, University of Cincinnati" 57
Summarized Information for Engineering
 and Commerce Students 180–182
Summary of Graduates, 1920 304
Summary of Graduates, 1921 310
Summer Extension Courses 148
Summer Premedical Courses 118, 121, 235, 246
Summer Medical Courses 246
Summer Term in Engineering and Commerce 180, 181
Surgery 258
Surplus Matriculation Credit 101
Syphilology 257

Taft Gift 55
Taft Scholarship 105, 288
 Recipients, 1920, 1921 288
Talbert Prize 105, 290
Tanners' Council Gift 57
Tau Beta Pi Society 291
 Members, 1920, 1921 291
Teaching 159
Teaching Assistants 38
Teaching Fellowships 297, 298
Teachers' College 51, 149–172
Teachers' Appointment Committee 158
Teachers in Service, Courses for 156
Tests, Bureau of City 51
Textile Chemistry 172
Textiles and Clothing 164
Therapeutics 253
Thesis 73, 74
Thoms Library 53
Thoms Honorary Scholarships 103, 287
 Recipients, 1920, 1921 287
Three Arts Club 58
Time to Enter Course 181
Trade English 171
Trades 155
Tuberculosis Hospital 232
Traffic Management 229
Training School for Nurses 51, 265
Tuition (See Fees)

Unit, Definition of 98, 108
United States Government Gift 56
University Credit 157
University Library 42
University Museum 42
University Scholarships 73, 287
 Recipients, 1920, 1921 287
University Senate 12

Van Fleet Gift 56
Van Wormer Library 53
Virginia University Gift 56
Vocational Education 170–172
Vocational Education, Department of 51
Vocational Education Movement 171
Vocational Guidance 171

Wages, Cooperative Students 179
Wald Scholarship 280, 296
 Recipients, 1920, 1921 296

War Department Medical Standard 235
Ward Gift 55
"Weekly News, University" 58
Wenderoth Gift 55
Whitaker Library 53, 234
Wilson Library 53
Winter Extension Courses 148
Withdrawal 110, 178
Woman's Building 52
Woman Student's League 58
Women, Engineering Courses for 177
Women's Cooperative Club Gift 57
Wyler Scholarship 245, 294
 Recipient, 1920 294

Y. M. C. A. Gifts 56
Y. M. C. A. of Virginia Scholarship 290
 Recipient, 1920 290

Zoology 91, 121, 146

UNIVERSITY OF ILLINOIS LIBRARY
SEP 1922

UNIVERSITY OF ILLINOIS-URBANA
3 0112 111533730